

# Ultra **HEAT**

## High Performance Mid-Efficiency Gas Furnace

- Designed & built in Canada to meet North America's most demanding heating requirements

*Keeping families warm  
for more than 60 years.*



**Olsen**  
Heating & Cooling Products

An ECR International Ltd. Brand



# UltraHEAT

## High Performance Mid-Efficiency Gas Furnace

The Olsen **UltraHEAT** gas furnace has been designed to bring warmth, savings and peace-of-mind to families looking to achieve maximum home comfort on a budget.


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

**Safety:** We focus on safety during research and development of all new products, and the **UltraHEAT** furnace significantly exceeds all national safety requirements as set out by ANSI.

**Reliability:** The Olsen **UltraHEAT** furnace has been subjected to extensive cycle testing to simulate 20 + years of normal usage and the results indicate that the heat exchanger (guaranteed for life) should not need replacing and that the other state-of-the-art components will provide many years of trouble-free operation.

**Compact Size:** At just 36" high and less than 30" deep, the **UltraHEAT** furnace fits into tight spaces, even closets, upright or horizontally providing installation flexibility and ensuring maximum comfort.

**Whisper Quiet Operation:** Our customers told us that noise level was an important factor in their satisfaction with a furnace so we designed the **UltraHEAT** to be "ultra quiet".



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  
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!





## Features & Benefits

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

### Easy Installation/ Maintenance

Compact insulated cabinet with easily removable front panels allows access to burner and controls. Units are shipped air conditioning ready. Plug-in electrical connectors included. Furnace is easily adapted for continuous low speed operation.

### B-vent top connection

### Induced Draft Fan

Combustion gases are vented safely and reliably by the state-of-the-art draft inducer which features sealed ball-bearings for longer life than the more common sleeve bearings.

### Honeywell™ Smart Valve II

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

### Slide-out Blower

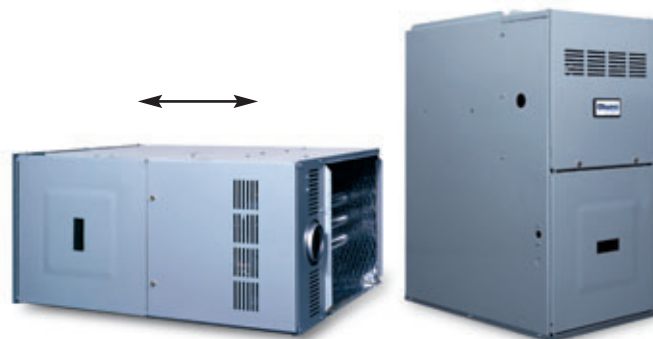
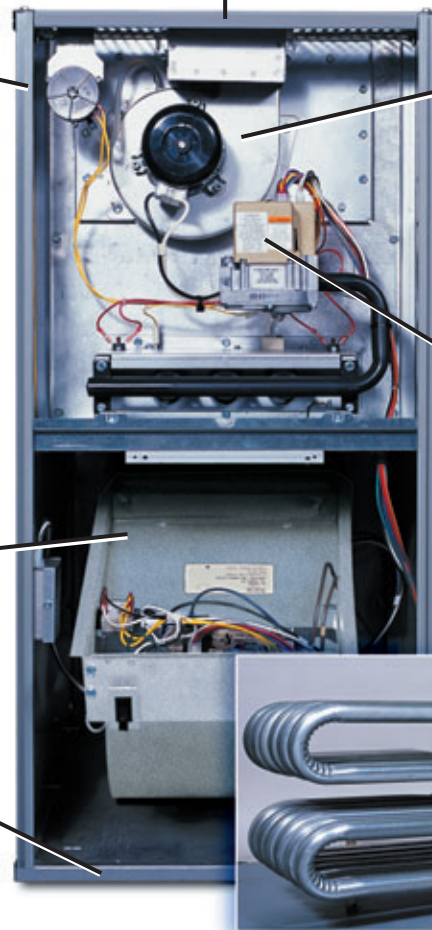
Slide out blower and control panel with plug in electrical connectors make servicing the *UltraHEAT* fast and easy.

### Aluminized Base

Aluminized steel base panel for corrosion resistance and ease of installation in the upflow configuration.

### Tubular Heat Exchanger

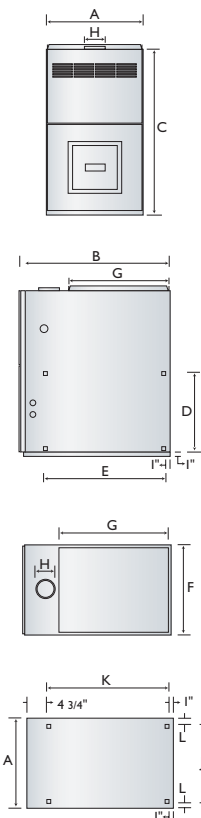
The controlled wrinkle-bend design reduces thinning in the bend for longer lasting heat exchanger life than smooth bends can provide.



### Multi-Position

Can be installed in upflow, horizontal left or horizontal right configuration.

# Ultra **HEAT** SPECIFICATIONS



## NATURAL GAS/PROPANE UPFLOW/HORIZONTAL SPECIFICATIONS

MODEL	Altitude	Input	Output	Main Blower	External Static Pressure			Cooling Capacity
					.20"	.50"	HD	Tons
GTM 50	0-2000	50,000	40,000	10 - 8	Low	Med	1/3	1.5 - 3.0
	2000-4500	45,000	36,000	10 - 8	Low	Med	1/3	1.5 - 3.0
70	0-2000	68,000	54,400	10 - 8	Med	High	1/3	1.5 - 3.0
	2000-4500	61,200	48,960	10 - 8	Med	High	1/3	1.5 - 3.0
85	0-2000	85,000	68,000	10 - 10	Med-Low	Med-High	1/2	1.5 - 3.5
	2000-4500	76,500	61,200	10 - 10	Med-Low	Med-High	1/2	1.5 - 3.5
100	0-2000	100,000	80,000	10 - 10	Med-High	High	1/2	1.5 - 3.5
	2000-4500	90,000	72,000	10 - 10	Med-High	High	1/2	1.5 - 3.5
85-100 (5 TON)	0-2000	100,000	80,000	12 - 10T	Low	Med-Low	3/4	2.5 - 5.0
	2000-4500	90,000	72,000	12 - 10T	Low	Med-Low	3/4	2.5 - 5.0

## DIMENSIONS (INCHES)

MODEL	Width	Depth	Height	Supply	Return			Vent
					Side	Bottom		
					D x E	J x K	L	
GTM 50	17 1/2	29 1/4	36	16 1/2 x 20	14 x 22	14 x 22	13/4	4
70	17 1/2	29 1/4	36	16 1/2 x 20	14 x 22	14 x 22	13/4	4
85	21 1/4	29 1/4	36	20 x 20	14 x 22	14 x 22	33/4	4
100	21 1/4	29 1/4	36	20 x 20	14 x 22	14 x 22	33/4	4

## CLEARANCE TO COMBUSTIBLES (INCHES)

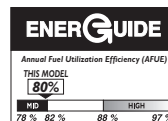
SURFACE	UPFLOW	HORIZONTAL
TOP	1	2
FRONT*	3	3
FLUE	6	6
BACK	0	0
SIDE or END	0	SUPPLY
		RETURN
TYPE OF FLOOR	Combustible	Combustible

Certified for closet installation. \*  
24" clearance required for service

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

## GTM AIRFLOW DATA

MODEL	E.S.P. (In. w.c.)	AIRFLOW - CFM		
		LOW	MED	HIGH
GTM 50 70	0.20	571	882	1193
	0.30	573	882	1181
	0.40	567	866	1147
	0.50	555	858	1123
	0.60	531	842	1061
GTM 85 100	0.20	768	1141	1512
	0.30	768	1123	1448
	0.40	750	1099	1389
	0.50	732	1061	1300
	0.60	674	1009	1204
GTM 85 100 (5 TON)	0.20	1443	1712	1823
	0.30	1432	1685	1789
	0.40	1389	1648	1755
	0.50	1367	1611	1720
	0.60	1321	1573	1666



The **Single Source SOLUTION** for HVAC Products



Ask your installer about our central air conditioners!



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