

Olsen

Heating & Cooling Products

UML Multiposition Oil Furnaces

Up to 87.5% AFUE | 66 MBH to 99 MBH Heating Capacities





Replacing your oil furnace is a **big decision.**

You want your home to be comfortable but you also need to be mindful of annual fuel costs, maintenance and dependability. So where do you turn? Olsen, the oil furnace specialist has been keeping families warm for over 60 years. If you want to get the most out of your next heating system, Olsen has the optimal oil furnace solution - like our new UML Series.

The UML is a multipositional furnace that fits any system design. It's compact design allows you to get that behemoth oil guzzler out of your basement and claim more space. Olsen UML oil furnaces feature models with efficiencies of up to 87.5% AFUE and offer Energy Star rated UMLV models with an optional variable speed blower powered by an ECM. This variable speed technology increases comfort and reduces operating noise by quietly ramping the blower fan up and down providing a more consistent heat in the living space. The variable speed blower reduces electrical consumption up to 80%* and many utilities offer rebates on furnaces with ECM**. All of this adds up to fuel cost savings and greater comfort.

The UML is air conditioning ready up to three tons so you can have a/c installed now or down the road as your budget permits. The UML comes with a washable, reusable filter for your convenience.

The Olsen UML series features an easy to maintain design and is backed by a Limited Lifetime Heat Exchanger Warranty and a 5 years parts warranty for residential applications.

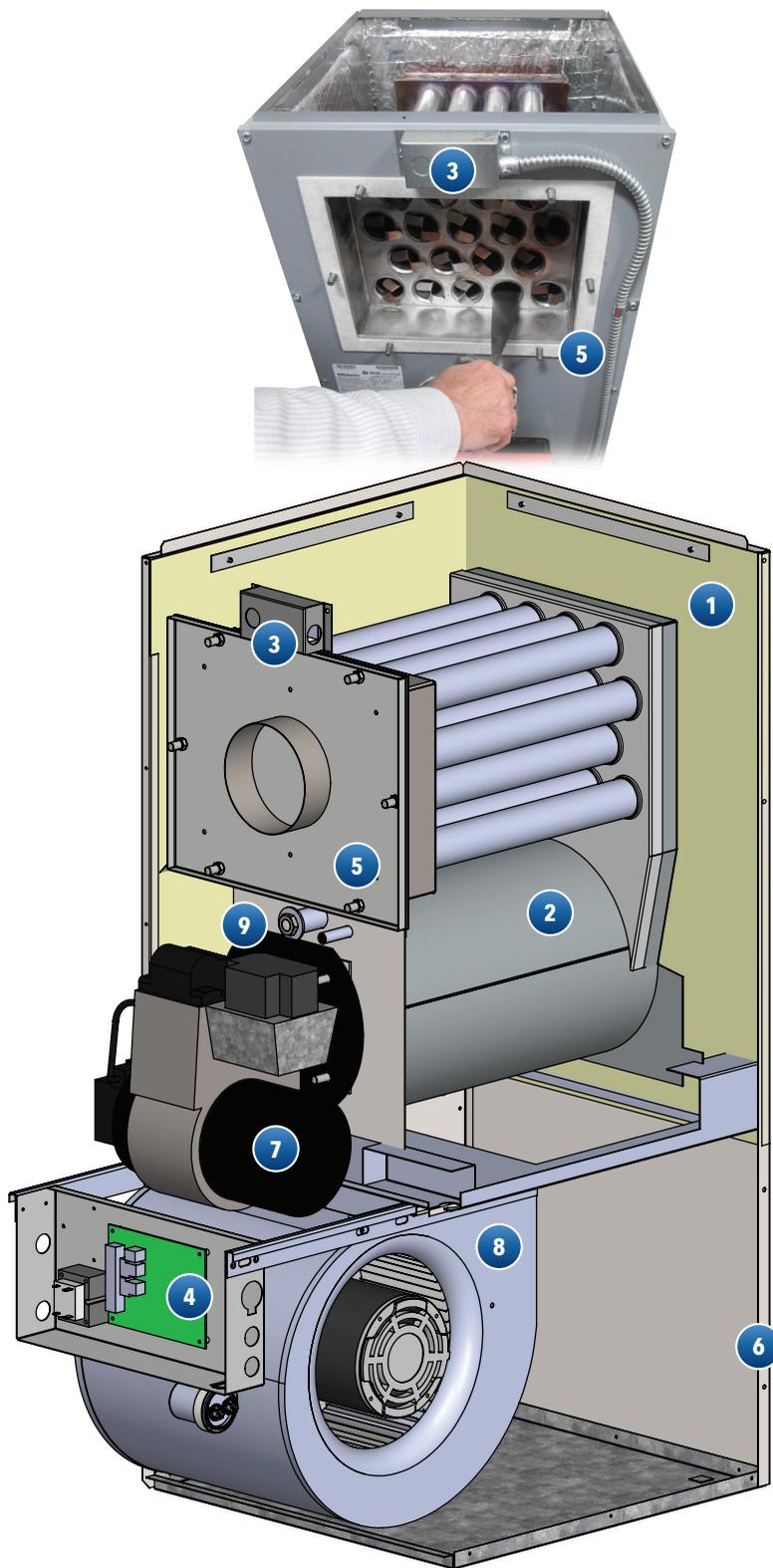


* Individual savings may vary.

** Check with your local government agencies and/or utilities regarding the availability of rebates. Another resource is www.dsire.org.

UML Multiposition Oil Furnaces

Features & Benefits



1 Low Profile - 42.75"

Easily accommodates larger, high efficiency "A" coils in all job sites. Jacket is 22 gauge with 1/2" fiber reinforced foil faced fiberglass insulation. Closet rated for 1" clearances.

2 Dual-Pass Chamberless Heat Exchanger

With 409 stainless steel first pass drum and aluminized steel tube second pass. Stainless steel turbulators in each tube maximizes efficiency. Combination offers low pressure drop and large heat transfer surface ensuring high efficiency. 100% pressure tested.

3 Fan Limit

A snap disc limit is smartly located to eliminate potential overheating and premature heat exchanger fatigue.

4 Electronic Fan Timer Control

Located on full rail slide out blower deck for easy access for wiring, adjustment and service. Wiring is color coded, equipped with connections for easy air conditioning, humidifier and air cleaner installation. A terminal strip is also supplied for thermostat connections.

5 Easy to Clean

Remove flue collar for complete access to clean second pass tubes. Remove burner for complete access to clean first pass drum. Any oil drips are "evaporated" on the chamberless stainless steel drum.

6 Washable Filter System

Features filter rack and a washable filter. The filter rack can double as a transition piece if the installer wishes to use a Buffalo Boot instead.

7 Burner Options

Includes factory supplied solenoid valve on pump for cleaner and quieter operation with reduced maintenance. Chimney Vent is available with choice of the Beckett AFG, Riello 40F3, or Carlin EZ-LF burner. Direct Vent is available with choice of the Beckett NX or Riello 40BF. Other options include downflow floor base kit and blocked vent safety switch.

8 Blower Assembly

Slides out on full rails for easy access and service. PSC 4 speed or ECM variable speed.

9 Sight Glass and Sample Port

Large sight glass for observing flame and separate sample port for measuring draft overfire.

* Blocked vent safety switch provided standard for all Canadian models and optional for US models

** Combustible floor base is available for downflow installations on combustible flooring - provides required clearances to furnace cabinet and plenum (item #550003032)

*** Optional Beckett Burner cover (item #240010859)

Olsen UML Series Multi-Position Oil-Fired, Chimney-Vented Furnaces

DIMENSIONS / WEIGHTS	MODEL	FIRING RATE GPH	INPUT MBH	HEATING CAPACITY MBH	AFUE EFFICIENCY % RATING CHIMNEY VENT			AVAILABLE MOTOR DRIVES		AC RANGE IN TONS BASED ON 400 CFM PER TON AIR FLOW @ .050" W.C. (CFM RANGE)
					BECKETT AFG	RIELLO 40F3	CARLIN EZ-LF	ECM (V) VARIABLE FAN SPEED 1/2 HP 500- 1500 cfm@ 0.5" w.c.	1/2 HP PSC DIRECT DRIVE	
	UML65A	0.55	77	66	87.5%			X	3 Tons (738-1339)	
	UMLV65A*	0.55	77	66	87.5%			X	3 Tons (510-1380)	
	UML80A	0.65	91	77	87.0%			X	3 Tons (738-1339)	
	UMLV80A*	0.65	91	77	87.0%			X	3 Tons (510-1380)	
	UML90A	0.75	105	88	85.2%			X	3 Tons (738-1339)	
	UMLV90A	0.75	105	88	85.2%			X	3 Tons (510-1380)	
	UML100A	0.85	119	99	84.4%			X	3 Tons (738-1339)	
	UMLV100A	0.85	119	99	84.4%			X	3 Tons (510-1380)	
	UML65ARF	0.55	77	66		87.3%			X	3 Tons (738-1339)
	UMLV65ARF*	0.55	77	66		87.3%		X		3 Tons (510-1380)
	UML80ARF	0.65	91	77		86.3%			X	3 Tons (738-1339)
	UMLV80ARF*	0.65	91	77		86.3%		X		3 Tons (510-1380)
	UML90ARF	0.75	105	88		85.2%			X	3 Tons (738-1339)
	UMLV90ARF	0.75	105	88		85.2%		X		3 Tons (510-1380)
	UML100ARF	0.85	119	98		84.8%			X	3 Tons (738-1339)
	UMLV100ARF	0.85	119	98		84.8%		X		3 Tons (510-1380)
	UML65AC	0.55	77	66			87.1%		X	3 Tons (510-1380)
	UMLV65AC	0.55	77	66			87.1%	X		3 Tons (510-1380)
	UML80AC	0.65	91	78			85.8%		X	3 Tons (510-1380)
	UMLV80AC	0.65	91	78			85.8%	X		3 Tons (510-1380)
UML90AC	0.75	105	88			84.4%		X	3 Tons (510-1380)	
UMLV90AC	0.75	105	88			85.2%	X		3 Tons (510-1380)	
UML100AC	0.85	119	99			84.0%		X	3 Tons (510-1380)	
UMLV100AC	0.85	119	99			84.0%	X		3 Tons (510-1380)	
CABINET DIMENSIONS			Clearances to Combustibles							
Width	Depth	Height	UMLA and UMLVA							
19"	20 3/16"	42 3/4"	Location	Upflow	Downflow	Horizontal				
(48.3 cm)	(51.3 cm)	(108.6 cm)	Top	N/A	N/A	1" (26 mm)				
SHIPPING WEIGHT			Bottom	0"	0"	1" (26 mm)				
188 lbs			Plenum Top	1" (26 mm)	2" (52 mm)	1" (26 mm)				
85.5 Kg			Horizontal Duct	1" (26 mm)	2" (52 mm)	1" (26 mm)				
PLENUM OPENINGS			Rear	1" (26 mm)	1" (26 mm)	1" (26 mm)				
Supply			Sides	1" (26 mm)	1" (26 mm)	N/A				
17 3/4" W x 18 3/4" D			Front	18" (458 mm)*	18" (458 mm)*	18" (458 mm)*				
(45.1 cm x 47.6 cm)			Flue Pipe	5" (127 mm)	5" (127 mm)	5" (127 mm)				
Return			Enclosure	Closest	Closest	Closest				
Side	14" x 18"		Electrical	Power requirement for all UML models is: 120 VAC, 1 Ø, 60 Hz., 12A, MCA 10.8 amps, MOP 15.0 amps.						
	(35.6 cm x 45.7 cm)		Standard Equipment	Two-Pass Heat Exchanger: 409 stainless steel welded primary heat exchanger and aluminized steel tube second pass heat exchanger, UTEC fan timer board with EAC & HUM controls, 16" x 20" filter rack with washable, reusable filter, barometric damper, low speed fan switch (PSC motor only), blocked vent safety switch (Canadian models only).						
Bottom	14" x 18"		Options	Burner Options: Chimney Vent - Beckett AFG, Riello 40F3 burner, or Carlin EZ-LF. Direct Vent - Beckett NX, Riello 40BF, or Carlin EZ-LFDV. 4-speed 1/2 hp PSC blower motor or 1/2 hp ECM variable speed motor, downflow floor base kit, cover for Beckett burner.						
	(35.6 cm x 45.7 cm)		Certifications				* Indicates an ENERGY STAR rated model. BOLD TYPE indicates factory equipped firing rate. Alternate nozzles for all available firing rates are furnished with the furnace.			
FLUE DIAMETER			General Information (See Installation, Operation and Maintenance Manual for complete instructions)							
5" (12.7 cm)										
PERMANENT FILTER										
16" x 20" x 1"										
(40.6 cm x 50.8 cm x 2.5 cm)										

All ratings and specifications subject to change.

Olsen UML Series Multi-Position Oil-Fired, Direct-Vented Furnaces

DIMENSIONS / WEIGHTS	MODEL	FIRING RATE GPH	INPUT MBH	HEATING CAPACITY MBH	AFUE EFFICIENCY % RATING CHIMNEY VENT		AVAILABLE MOTOR DRIVES		AC RANGE IN TONS BASED ON 400 CFM PER TON AIR FLOW @ .050" W.C. (CFM RANGE)		
					BECKETT AFG	RIELLO 40F3	ECM (V) VARIABLE FAN SPEED 1/2 HP 500- 1500 cfm@ 0.5" w.c.	1/2 HP PSC DIRECT DRIVE			
	UML65ANXU	0.55	77	65	85.8%			X	3 Tons (510-1380)		
	UML65ARBU	0.55	77	66		86.4%		X	3 Tons (738-1339)		
	UMLV65ANXU*	0.55	77	65	85.7%		X		3 Tons (738-1339)		
	UMLV65ARBU*	0.55	77	66		86.2%	X		3 Tons (510-1380)		
	UML80ANXU	0.65	91	76	84.4%			X	3 Tons (510-1380)		
	UML80ARBU	0.65	91	76		85.0%		X	3 Tons (738-1339)		
	UMLV80ANXU*	0.65	91	77	85.2%		X		3 Tons (738-1339)		
	UMLV80ARBU*	0.65	91	77		85.2%	X		3 Tons (510-1380)		
	UML90ANXU	0.75	105	86	83.5%			X	3 Tons (510-1380)		
	UML90ARBU	0.75	105	87		83.6%		X	3 Tons (738-1339)		
	UMLV90ANXU	0.75	105	86	83.6%		X		3 Tons (510-1380)		
	UMLV90ARBU	0.75	105	87		83.6%	X		3 Tons (510-1380)		
	UML100ANXU	0.85	119	98	83.3%			X	3 Tons (510-1380)		
	UML100ARBU	0.85	119	98		83.7%		X	3 Tons (510-1380)		
	UMLV100ANXU	0.85	119	97	83.8%			X	3 Tons (510-1380)		
	UMLV100ARBU	0.85	119	97		83.1%	X		3 Tons (510-1380)		
CABINET DIMENSIONS			Clearances to Combustibles							UMLA and UMLVA	
Width	Depth	Height	Clearances *24" (610 mm) Service Clearance. ***When using combustible floor sub base 550003032 for downflow on combustible floor.		Location	Upflow	Downflow	Horizontal			
19"	20 3/16"	42 3/4"			Top	N/A	N/A	1" (26 mm)			
(48.3 cm)	(51.3 cm)	(108.6 cm)			Bottom	0"	0"***	1" (26 mm)			
SHIPPING WEIGHT					Plenum Top	1" (26 mm)	2" (52 mm)	1" (26 mm)			
188 lbs			Horizontal Duct	1" (26 mm)	2" (52 mm)	1" (26 mm)					
85.5 Kg			Rear	1" (26 mm)	1" (26 mm)	1" (26 mm)					
PLENUM OPENINGS			Sides	1" (26 mm)	1" (26 mm)	N/A					
Supply			Front	18" (458 mm)*	18" (458 mm)*	18" (458 mm)*					
17 3/4" W x 18 3/4" D			Flue Pipe	5" (127 mm)	5" (127 mm)	5" (127 mm)					
(45.1 cm x 47.6 cm)			Enclosure	Closet	Closet	Closet					
Return			Electrical	Power requirement for all UML models is: 120 VAC, 1 Ø, 60 Hz., 12A, MCA 10.8 amps, MOP 15.0 amps.							
Side	14" x 18"		Standard Equipment	Two-Pass Heat Exchanger: 409 stainless steel welded primary heat exchanger and aluminized steel tube second pass heat exchanger, UTEC fan timer board with EAC & HUM controls, 16" x 20" filter rack with washable, reusable filter, barometric damper, low speed fan switch (PSC motor only), blocked vent safety switch (Canadian models only).							
	(35.6 cm x 45.7 cm)			Options	Burner Options: Chimney Vent - Beckett AFG, Riello 40F3 burner, or Carlin EZ-LF. Direct Vent - Beckett NX or Riello 40BF only. 4-speed 1/2 hp PSC blower motor or 1/2 hp ECM variable speed motor, downflow floor base kit, cover for Beckett burner.						
Bottom	14" x 18"		Certifications					* Indicates an ENERGY STAR rated model. BOLD TYPE indicates factory equipped firing rate. Alternate nozzles for all available firing rates are furnished with the furnace. General Information (See Installation, Operation and Maintenance Manual for complete instructions)			
	(35.6 cm x 45.7 cm)										
FLUE DIAMETER											
5" (12.7 cm)											
PERMANENT FILTER											
16" x 20" x 1"											
(40.6 cm x 50.8 cm x 2.5 cm)											

All ratings and specifications subject to change.

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