



oil fired forced air

FURNACES



85%
A.F.U.E.



BUILT TO LAST A LIFETIME

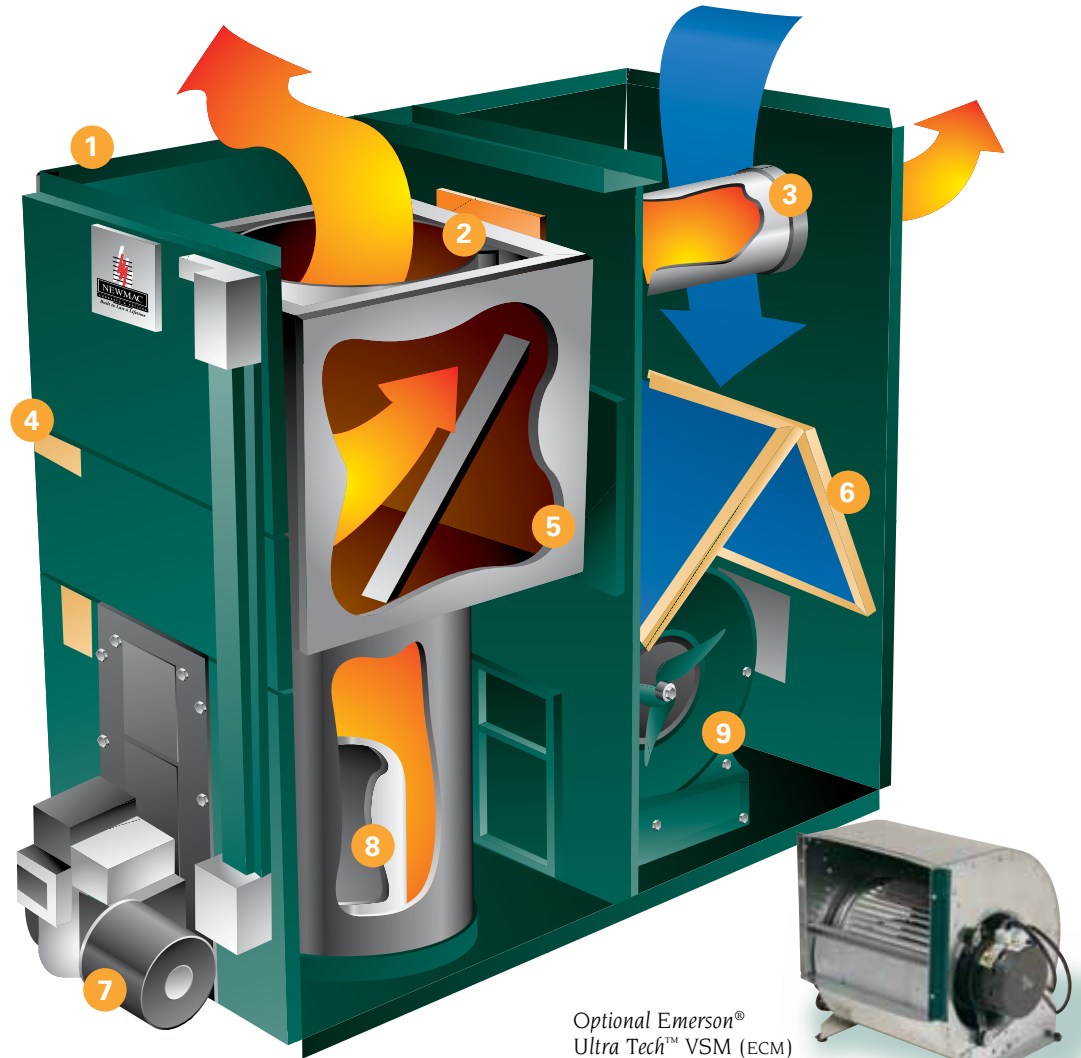


NEWMAC
FURNACES & BOILERS

TOTAL COMFORT

NEWMAC ~ QUIET, CLEAN, HIGH EFFICIENCY HEATING SOLUTIONS

Over the past thirty-five years Newmac has gained a reputation for developing the kind of high efficiency furnaces and boilers that our customers demand. Our multi-fired units are competitively priced and built under strict ISO 9001 standards to ensure years of dependability. All units are backed by the best warranties in the business and Newmac offers technical support that you can count on.

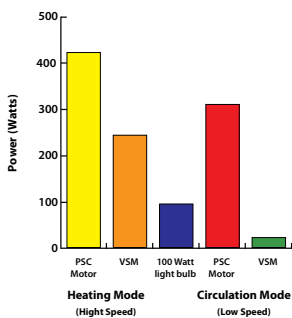


Optional Emerson® Ultra Tech™ VSM (ECM) Motor for significant power savings (see graph)

THE LOWBOY FEATURES INCLUDE:

- 1 Steel liners to give durable, insulating protection
- 2 Heat Exchanger engineered for efficiency using 14 gauge steel with a lifetime limited warranty
- 3 Detachable stainless steel stack assembly on NL/NV series
- 4 Heavy duty 20 ga panel construction
- 5 Easy access clean out covers to allow complete servicing of heat exchanger
- 6 Large filter area for high air filtration capacity
- 7 The latest in burner technology for chimney or sealed vent installations
- 8 Ceramic Fibre Corbel chamber to provide quiet, high efficiency combustion
- 9 Optional direct drive belted or Emerson® Ultra Tech™ VSM (ECM) blower assembly

Comparative Power Requirements¹



¹From NRCan's Furnace Motors Report, 2003.

Newmac's complete line of multi-fired oil furnaces combine innovative engineering with top quality materials and construction, providing some of the highest Energy Star AFUE Ratings - GAMA Listed



Newmac Oil Furnaces provide you with efficient heating and quiet, automatic operation that delivers clean, warm air throughout your home for total comfort. Furnaces are CSA or ETLM approved to allow worry-free, reliable heating and include these features:

- Large air filters for better air filtration
- Large circulating belted, direct drive or VSM (ECM) blower for quiet operation
- Steel inner liners for better insulation and durability
- Ceramic Fiber Corbel combustion chamber for quieter operation and more efficient combustion
- Fan and limit control with summer fan switch
- Optional air conditioning models with up to 5 ton AC ready

Newmac Oil Furnaces are supported by a wide range of parts and service representation with excellent warranty programs. In addition, these units are easy and inexpensive to install and service because of features such as:

- Easily serviced efficient flame retention burner
- Conventional service switch on NL2/NV2 and NL3/NV3
- Removable panels and ports for easy access cleanouts
- Limited Lifetime Warranty
- All units come complete with barometric control



Emerson®
Ultra Tech™ VSM (ECM) approved

Model NLF Front Flue

The model for traditional replacement or new home construction requiring front flue with 77,000 to 118,000 BTU output.

Certified for chimney or SVS direct vent.

Model LFR 2000 Front /Rear Flue

The LFR chamberless unit is designed for compact installations requiring front or rear flue. The unit is approved for chimney or SVS direct vent and is ideal for electric conversions. The large filter rack can be placed either side, bottom or rear. Ranging from 62,000 to 90,000 BTU output.



Emerson® Ultra Tech™ VSM (ECM) approved

Model NL2 Rear Flue

Our highest efficiency Lowboy model is suitable for all new homes or replacement where rear flue models are required. Ranging from 77,000 to 118,000 BTU output. Certified for chimney or SVS direct vent. Available with 3/4 hp 5 speed direct drive with G12-10 blower or VSM (ECM) motor for 5 ton AC ready.



Emerson®
Ultra Tech™
VSM (ECM) approved

Model NV2 & NV2-5

Similar to the NL2 with these added features:

- Better Gaskets for complete sealing
- Cleanouts (self aligning) designed to enable all cleaning from the front with no soot contamination of ductwork



Model NL3 Rear Flue

Our mid size model is designed for heating requirements ranging from 121,000 to 177,000 BTU output.

Model NV3

Similar to the NL3 with these added features:

- Designed for SVS direct vent or chimney
- Better gaskets for complete sealing
- Self aligning cleanouts provide front servicing without soot contamination of duct system
- 3/4 hp 5 speed Direct drive G12-9 blower for 5 ton AC ready

Model NH3 Top Flue

This traditional Highboy provides full forced air capability and is approved for closet clearances. It ranges from 77,000 to 101,000 BTU.

Model NH3-4

Similar to the NH3 with added features:

- 3/4 HP 5 Speed Direct Drive and G12-7 Blower
- 4 Ton AC ready
- Firing range 75,000 to 120,000 BTU



Model NMR Rear Flue

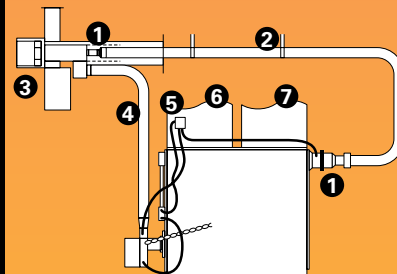
This is primarily used for lower basements or where a low profile model is required at ranges from 77,000 to 118,000 BTU output. Certified for chimney or SVS direct vent.



The Newmac Flue Sealed Vent System (SVS) is the latest technology for venting of oil fired appliances. System features:

- Combined single wall terminal for flue exhaust gases and pre-heated combustion air
- Truly sealed system eliminating odour problems from house depressurization
- Flue gases jetted away from building exterior
- Superior performance in all wind and weather conditions
- All stainless steel construction
- Serviceable seals and connections to permit ease of cleaning and inspection
- Exceptional quiet operation
- Positive blockage safety sensor
- Multi fire range of 0.5 - 1.50 U.S.G.P.H.
- System uses a pre and post-purge burner cycle for complete flue gas removal
- Combustion spillage resistant

Furnace/SVS Balance Flue Installation Layout



- 1 Serviceable Connections
- 2 Flexible Flue Pipe
- 3 SVS Terminal
- 4 Combustion Air
- 5 Blockage Control
- 6 Supply Air
- 7 Return Air

SPECIFICATIONS: OIL FORCED AIR SERIES

Model	NL2-77	NL2-89	NL2-101	NL2-118	NL3-121	NL3-149	NL3-160	NL3-177
B.T.U.H. Input	90,610	104,550	118,490	139,400	139,400	174,250	188,190	209,100
B.T.U.H. Output	77,000	89,000	101,000	118,000	121,000	149,000	160,000	177,000
Firing Rate – USGPH	.65	.75	.85	1.00	1.00	1.25	1.35	1.50
Flue Draft	.02 W.C.	.02 W.C.	.02 W.C.	.02 W.C.	.02 W.C.	.02 W.C.	.02 W.C.	.02 W.C.
Burner	Beckett: AFG or Carlin: EZ-PRO				Beckett: AFG or Carlin: EZ-PRO			
Nozzle	.65	.75	.85	1.00	1.00	1.25	1.35	1.50
Burner	Riello: 40F3				Riello: 40F5			
Nozzle	.60	.65	.75	.85	.85	1.00	1.10	1.25
CFM at .20' & .50' W.C. Static Pressure	1100	1200	1350	1500	1500	1800	1950	2100
Blower	10"	10"	10"	10"	12"	12"	12"	12"
@.20"W.C. Static Pressure at 85 Temp. Rise								
• Blower Motor	1/3 HP	1/3 HP	1/3 HP	1/3 HP	1/2 HP	1/2 HP	1/2 HP	1/2 HP
• Motor Pulley	3 1/4 x 1/2 VS	3 1/4 x 1/2 VS	3 1/4 x 1/2 VS	3 1/4 x 1/2 VS	3 1/4 x 1/2 VS	3 1/4 x 1/2 VS	3 1/4 x 1/2 VS	3 1/4 x 1/2 VS
• Fan Pulley	7"	7"	7"	7"	8"	8"	8"	8"
@.50"W.C. Static Pressure at 85 Temp. Rise								
• Blower Motor	1/3 HP	1/3 HP	1/3 HP	1/3 HP	3/4 HP	3/4 HP	3/4 HP	3/4 HP
• Motor Pulley	3 1/4 x 1/2 VS	3 1/4 x 1/2 VS	3 1/4 x 1/2 VS	3 1/4 x 1/2 VS	3 1/2 x 1/2 VS	3 1/2 x 1/2 VS	3 1/2 x 1/2 VS	3 1/2 x 1/2 VS
• Fan Pulley	6"	6"	6"	6"	7"	7"	7"	7"
Direct Drive Blower	G10-8	G10-8	G10-8	G10-8	N/A	N/A	N/A	N/A
@ 2 & 5"W.C. S.P. at 85 T.R.	1100 CFM	1200 CFM	1350 CFM	1500 CFM	N/A	N/A	N/A	N/A
4 Speed Blower Motor	1/2 HP	1/2 HP	1/2 HP	1/2 HP	N/A	N/A	N/A	N/A
AC Rating (tons)	3.5	3.5	3.5	3.5	5	5	5	5
Filter	(2) 16 x 24	(2) 16 x 24	(2) 16 x 24	(2) 16 x 24	1-16 x 25	1-16 x 25	1-16 x 25	1-16 x 25
					1-20 x 25	1-20 x 25	1-20 x 25	1-20 x 25
Shipping Weight	350 lbs.	350 lbs.	350 lbs.	350 lbs.	400 lbs.	400 lbs.	400 lbs.	400 lbs.

Model	NLF-77	NLF-89	NLF-101	NLF-118	NMR-77	NMR-89	NMR-101	NMR-118
B.T.U.H. Input	90,610	104,550	118,490	139,400	90,610	104,550	118,490	139,400
B.T.U.H. Output	77,000	89,000	101,000	118,000	77,000	89,000	101,000	118,000
Firing Rate – USGPH	.65	.75	.85	1.00	.65	.75	.85	1.00
Flue Draft	.02 W.C.	.02 W.C.	.02 W.C.	.02 W.C.	.02 W.C.	.02 W.C.	.02 W.C.	.02 W.C.
Burner	Beckett: AFG or Carlin: EZ-PRO				Beckett: AFG or Carlin: EZ-PRO			
Nozzle	.65	.75	.85	1.00	.65	.75	.85	1.00
Burner	Riello: R40.3				Riello: R40.3			
Nozzle	.60	.65	.75	.85	.60	.65	.75	.85
CFM at .20' & .50' W.C. Static Pressure	1025	1200	1300	1400	1025	1150	1250	1350
Belted Drive Blower	10"	10"	10"	10"	10"	10"	10"	10"
@.20"W.C. Static Pressure at 85 Temp. Rise								
• Blower Motor	1/3 HP	1/3 HP	1/3 HP	1/3 HP	1/3 HP	1/3 HP	1/3 HP	1/3 HP
• Motor Pulley	3 1/4 x 1/2 VS	3 1/4 x 1/2 VS	3 1/4 x 1/2 VS	3 1/4 x 1/2 VS	3 1/4 x 1/2 VS	3 1/4 x 1/2 VS	3 1/4 x 1/2 VS	3 1/4 x 1/2 VS
• Fan Pulley	7"	7"	7"	7"	7"	7"	7"	7"
@.50"W.C. Static Pressure at 85 Temp. Rise								
• Blower Motor	1/3 HP	1/3 HP	1/3 HP	1/2 HP	1/3 HP	1/3 HP	1/3 HP	1/2 HP
• Fan Pulley	6"	6"	6"	6"	6"	6"	6"	6"
Direct Drive Blower	G10-8	G10-8	G10-8	G10-8	G10-8	G10-8	G10-8	G10-8
@ 2 & 5"W.C. S.P. at 85 T.R.	1025 CFM	1200 CFM	1300 CFM	1400 CFM	1025 CFM	1150 CFM	1250 CFM	1350 CFM
4 Speed Blower Motor	1/2 HP	1/2 HP	1/2 HP	1/2 HP	1/2 HP	1/2 HP	1/2 HP	1/2 HP
AC Rating (tons)	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Filter	(2) 16 x 24	(2) 16 x 24	(2) 16 x 24	(2) 16 x 24	(1) 16 x 24 (1) 12 x 24	(1) 16 x 24 (1) 12 x 24	(1) 16 x 24 (1) 12 x 24	(1) 16 x 24 (1) 12 x 24
Shipping Weight	330 lbs.	330 lbs.	330 lbs.	330 lbs.	295 lbs.	295 lbs.	295 lbs.	295 lbs.

Model	NH3-77	NH3-89	NH3-101
B.T.U.H. Input	90,610	104,550	118,490
B.T.U.H. Output	77,000	89,000	101,000
Firing Rate U.S.G.P.H.	.65	.75	.85
Flue Draft	.02 W.C.	.02 W.C.	.02 W.C.
Burner	BECKETT: AFG or CARLIN: EZ-PRO		
Delevan 70 A or Monarch 70 NS	.65	.75	.85
Burner	RIELLO: 40F3		
Delevan 60 B or Monarch 60 R	.60	.65	.75
CFM at .20' & .50' W.C. Static Pressure	900	1,000	1,100
Blower	9"	9"	9"
Belt Drive Models			
• Blower Motor	1/2 HP	1/2 HP	1/2 HP
• Motor Pulley	3 1/4 x 1/2 VS	3 1/4 x 1/2 VS	3 1/4 x 1/2 VS
@.20"W.C. Static Pressure			
• Fan Pulley	6"	6"	6"
• Belt Size	34"	34"	34"
@.50"W.C. Static Pressure			
• Fan Pulley	5"	5"	5"
• Belt Size	33"	33"	33"
Direct Drive @.20' & .50' W.C.	9"	9"	9"
4 Speed Blower Motor	1/3 HP	1/3 HP	1/3 HP
AC Rating (tons)	3	3	3
Filter (Qty.)	(1)16 x 24	(1)16 x 24	(1)16 x 24
Shipping Weight (lbs.)	290 lbs.	290 lbs.	290 lbs.

Model	LF8-63	LF8-75	LF8-88	LF8-66	LF8-80	LF8-89	LF8-72	LF8-87
B.T.U.H. Input	71,094	85,034	101,762	75,276	93,398	101,368	85,034	101,762
B.T.U.H. Output	63,000	75,000	88,000	66,000	81,000	89,000	73,000	87,000
Firing Rate – USGPH	0.51	0.61	0.73	0.54	0.67	0.73	0.61	0.73
Flue Draft (W.C.)	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04
Burner	Riello F40 F3 Riello BF3			Beckett AFG 70 MM			Carlin EZ Pro	
Nozzle	0.40	0.50	0.60	0.40	0.50	0.55	0.50	0.60
Direct Drive Blower	10"	10"	10"	10"	10"	10"	10"	10"
CFM at .20' & .50' W.C. at 85 Temp. Rise	750	875	1000	750	875	1000	875	1000
4 Speed Blower Motor	1/3 HP	1/3 HP	1/3 HP	1/3 HP	1/3 HP	1/3 HP	1/3 HP	1/3 HP
AC Rating (tons)	3	3	3	3	3	3	3	3
Filter	20 x 25	20 x 25	20 x 25	20 x 25	20 x 25	20 x 25	20 x 25	20 x 25
Shipping Weight (lbs)	250	250	250	250	250	250	250	250

Check for local rebate programs specifying these types of high efficiency products.

Choose products bearing the Energy Star registered trademark to save energy, money, and help the environment without compromising performance.



85%
A.F.U.E.

BURNERS

Approved with either Beckett, Riello or Carlin burners with flame retention head for maximum efficiency and minimum maintenance requirements.



BF3



40-F3



EZ-PRO



AFG



AFG with Air Boot

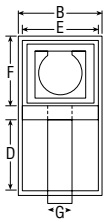
Note: Beckett Burners have a Stainless Steel Air Tube

DIMENSIONS

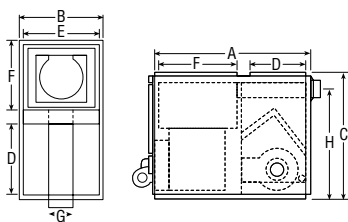
Model	NL2/NV2	NL3/NV3	NLF	NMR	NH3/NH3-4	LFR
A Length	46 1/2"	54 1/2"	46 1/2"	46 1/2"	34 1/4"	24 1/4"
B Width	24"	26"	24"	24"	20"	22"
C Height	44 1/2"	46"	44 1/2"	35"	51 3/4"	41 1/2"
D&E Return Air Plenum	18" x 22"	24" x 24"	18" x 22"	18" x 22"		
D&J Return Air Plenum					22" x 14"	20" x 16"
E&F Warm Air Plenum	22 x 22	24" x 23 3/4"	22" x 22"	22" x 22"	20" x 18"	20" x 20"
G Flue Pipe Dia.	6"	7"	6"	6"	5"	4"
H Floor to Center of Flue Pipe	37"	39"	37"	29"	46 3/4"	36"
T Width of Filter Rack						4"
Overall Length, including Burner & Flue Pipe	57 1/2"	66"	53 1/2"	57 1/2"	34 1/4"	36 1/2"
Between Plenums	4 1/2"	4 1/2"	4 1/2"	4 1/2"		

FOOTPRINTS

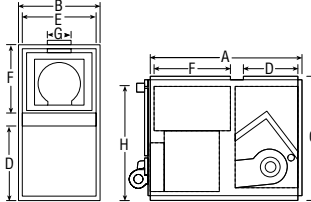
NV2/NV3



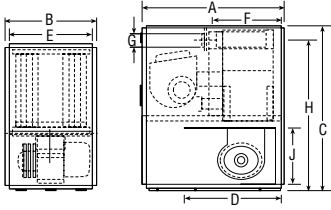
NL2-NL3-NMR Lowboy



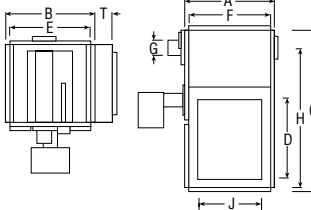
NLF Lowboy



NH3 Highboy



LFR Highboy



Ask about Newmac's complete line of oil fired forced air furnaces/boilers and combination oil/solid fuel furnaces.

Available From:



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Due to our continuous development and improvement program specifications are subject to change without notice.

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Newmac and its appliances are listed or certified by one or more of the following agencies:



NEWMAC
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