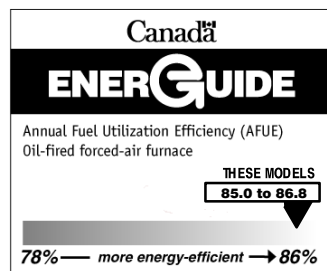


DNS-1161 Rev.A

Illustrations and photographs are only representative.
Some product models may vary.



ONLY applies to applications in Canada where the furnace is installed in the conditioned space, per sections 5.35.1.2 and 4.7.1.1 of CSA standard B212 dated October 2000.

LO-BOY VARIABLE MOTOR OIL FURNACE

FEATURES

- **Stainless Steel construction** – Heavy gauge heat exchanger quickly transfers heat to the ambient air
- **Motor** – Variable speed ECM motor that provides true constant CFM capabilities
- **Fan Control Switch** – For continuous fan operation
- **Easy Access** – control panel
- **Low profile** – OLV098 is 33 3/4 inches (857 mm) high, OLV112 is 33 3/4 inches (857mm) high, OLV154 is 39 1/4 inches (997mm) high
- **Sound attenuator** – High density acoustic wool dampens combustion sound
- **Burners** – Choice of high static pressure oil burners Becket NX, Riello F40 (Burners ordered and shipped separately)
- **Inspection port** – External for easy access and sealed – Adjust combustion parameters and simplify inspections
- **Accessories included** – Barometric draft regulator, internal filter rack and air filter
- **High quality finish** – High gloss baked
- **Efficiency** – Up to 86.8% AFUE
- **Approved** – For chimney vent and sealed combustion installations

WARRANTY *

- 10 year No Hassle Replacement™ limited warranty
- Lifetime heat exchanger limited warranty with timely registration
- 5 year parts limited warranty
- With timely registration, an additional 5 year parts limited warranty
- * Applies to original purchaser/homeowner, some limitations may apply. See warranty certificate for complete details.

LO-BOY OIL FURNACE					
Model Number	Input (BTU/h)	Efficiency AFUE ‡	Cooling capacity @ .5 in wc (125 Pa)	Dimensions – in(mm) H x W x D†	Shipping Wt. Lbs. (Kg.)
OLV098A12	77,000–98,000	85.0 – 86.1	3 Tons	33 3/4x21x47 (857x533x1194)	175 (80)
OLV112A16	81,100–112,000	85.0 – 86.5	4 Tons	33 3/4x21x48 (857x533x1219)	195 (89)
OLV154F20	107,700–154,000	85.0 – 86.8	5 Tons	39 1/4x24 7/8x52 (997x632x1320)	270 (122.5)

‡ Meets EnergyStar guidelines
† Depth is without the burner

FURNACE SPECIFICATIONS

Model	OLV098	
Rating & Performance		
Firing rate (USGPH)*	0.55	0.70
Input (BTU/h)*	77,000	98,000
Maximum heating capacity (BTU/h)*	66,000	82,000
Heating temperature rise (°F/°C)*	55 - 85 / 30 - 47	
Flue draft with chimney (in wc / Pa)	-0.06 to -0.025 / -14.9 to -6.2	
Overfire pressure with chimney (in wc / Pa)	-0.035 to +0.010 / -8.7 to +2.5	
Flue draft with direct vent (in wc / Pa)	+0.05 to +0.20 / +12.5 to +50	
Overfire pressure with direct vent (in wc / Pa)	+0.03 to +0.15 / +7.5 to +37.5	
Beckett Burner; (Chimney or Direct Vent)		
NX56LQ		
Burner tube insertion length	1 3/4 (45mm)	
Head type	6-slots LQ head	
Nozzle (Delavan)	0.50-60A	0.60-60A
Minimum and Maximum pump pressure (PSIG)*	125 to 180	135 to 170
(kPa)*	862 to 1241	930 to 1172
Head/Air setting	1.0	2.5
AFUE % (From CSA B212 standard and Canadian regulation)**	86.1 ‡	85.0 ‡
AFUE % (From ASHRAE 103 standard and US regulation)	85.7 ‡	85.0 ‡
Riello Burner; (Chimney)		
40-F3 with AIR INLET DAMPER		
Burner tube insertion length	2 3/4 (70mm)	
Nozzle (Delavan)	0.50-70A	0.60-70A
Minimum and Maximum pump pressure (PSIG)*	125 to 180	135 to 170
(kPa)*	862 to 1241	930 to 1172
Combustion air adjustment (turbulator/damper)	0 / 2.0	0 / 3.5
AFUE % (From CSA B212 standard and Canadian regulation)**	86.1 ‡	85.0 ‡
AFUE % (From ASHRAE 103 standard and US regulation)	85.7 ‡	85.0 ‡
Riello Burner; (Direct Vent)		
40-BF3		
Burner tube insertion length	2 3/4 (70mm)	
Nozzle (Delavan)	0.50-70A	0.60-70A
Minimum and maximum Pump pressure (PSIG)*	125 to 180	135 to 170
(kPa)*	862 to 1241	930 to 1172
Combustion air adjustment (turbulator/damper)	0 / 3.5	1 / 5.25
AFUE % (From CSA B212 standard and Canadian regulation)**	86.1 ‡	85.0 ‡
AFUE % (From ASHRAE 103 standard and US regulation)	85.7 ‡	85.0 ‡
Electrical System		
Volts - Hz - Phase	115 - 60 - 1	
Rated current (Amps)	10.3	
Minimum ampacity for wire sizing (Amps)	12.2	
Max. fuse size (Amps)	15	
Control Transformer (VA)	40	
External control power available Heating (VA)	40	
Cooling (VA)	30	
Blower Data (Side Air Return)		
Heating blower speed at 0.20 in wc (50 Pa)	See the ECM airflow Table	
Air flow at 0.20 in wc (50 Pa) - side air return - CFM (L/s)		
Air flow at 0.50 in wc (125 Pa) - side air return - CFM (L/s)		
Motor (HP) / Number of speeds	1/2 HP / ECM	
Blower wheel size in(mm) - tight housing	10 x 10 (254 x 254)	
General Information		
Overall dimensions W x D x H - in(mm)	21 x 47 x 34 (533 x 1194 x 864)	
Supply air opening - in(mm)	20 x 20 (508 x 508)	
Return air opening - in(mm)	18 x 20 (457 x 508)	
Filter size, 1 or 2 inch (25 or 51mm) - in(mm)	20 x 20 (508 x 508)	
Shipping weight - lbs(kg)	175 (80)	
Air conditioning at .5 in wc (125 Pa), maximum output (tons)	3	

Model	OLV112		OLV154	
Rating & Performance				
Firing rate (USGPH)*	0.68	0.8	0.9	1.1
Input (BTU/h)*	95,200	112,000	126,000	154,000
Maximum heating capacity (BTU/h)*	81,100	94,100	107,700	129,700
Heating temperature rise (°F/°C)*	60 - 72 / 33 - 40		60 - 72 / 33 - 40	
Flue draft with chimney (in wc / Pa)	-0.06 to -0.025 / -14.9 to -6.2		-0.06 to -0.025 / -14.9 to -6.2	
Overfire pressure with chimney (in wc / Pa)	-0.035 to +0.010 / -8.7 to +2.5		-0.035 to +0.025 / -8.7 to +6.2	
Flue draft with direct vent (in wc / Pa)	+0.03 to +0.15 / +7.5 to +37.5		+0.05 to +0.12 / +12.5 to +30	
Overfire pressure with direct vent (in wc / Pa)	+0.05 to +0.17 / +12.5 to +42.3		+0.06 to +0.16 / +12.5 to +40	
Beckett Burner; (Chimney or Direct Vent)	NX56LQ		NX56LC	
Burner tube insertion length	1 3/4 (45mm)		1 3/4 (45mm)	
Head type	6 - slot LQ head		6 - slot LC head	
Nozzle (Delavan)	0.60 - 60A	0.70 - 60A	0.75 - 60B	0.90 - 60B
Minimum and Maximum pump pressure (PSIG)*	130 to 160	130 to 160	145 to 175	150 to 180
(kPa)*	896 to 1103	896 to 1103	1000 to 1206	1034 to 1241
Head/Air setting	1.5	2.5	2.5	3.25
AFUE % (From CSA B212 standard and Canadian regulation)**	86.5 ‡	85.6 ‡	86.8 ‡	85.1 ‡
AFUE % (From ASHRAE 103 standard and US regulation)	86.3 ‡	85.0 ‡	86.6 ‡	85 ‡
Riello Burner; (Chimney)	F3 with AIR INLET DAMPER		F5 with ELECTRIC AIR DAMPER	
Burner tube insertion length	2 3/4		2 3/4	
Nozzle (Delavan)	0.60 - 70A	0.70 - 70A	0.75 - 70A	0.90 - 70A
Minimum and Maximum pump pressure (PSIG)*	130 to 160	130 to 160	145 to 175	150 to 180
(kPa)*	896 to 1130	896 to 1130	1000 to 1206	1034 to 1241
Combustion air adjustment (turbulator/damper)	1 / 2.6	2 / 3.1	1.5 / 2.25	2.5 / 2.75
AFUE % (From CSA B212 standard and Canadian regulation)**	86.5 ‡	85.6 ‡	86.8 ‡	85.1 ‡
AFUE % (From ASHRAE 103 standard and US regulation)	86.3 ‡	85.0 ‡	86.6 ‡	85 ‡
Riello Burner Model 40; (Direct Vent)	BF5		40-BF5	
Burner tube insertion length	2 3/4 (70mm)		2 3/4 (70mm)	
Nozzle (Delavan)	0.60 - 70A	0.70 - 70A	0.75 - 70A	0.90 - 70A
Minimum and maximum Pump pressure (PSIG)*	130 to 160	130 to 160	145 to 175	150 to 180
(kPa)*	896 to 1103	896 to 1103	1000 to 1206	1034 to 1241
Combustion air adjustment (turbulator/damper)	0 / 2.75	0 / 3.25	1.0 / 3.75	3.0 / 4.25
AFUE % (From CSA B212 standard and Canadian regulation)**	86.5 ‡	85.6 ‡	86.8 ‡	85.1 ‡
AFUE % (From ASHRAE 103 standard and US regulation)	86.3 ‡	85.0 ‡	86.6 ‡	85 ‡
Electrical System				
Volts - Hz - Phase	115 - 60 - 1		115 - 60 - 1	
Rated current (Amps)	12.2		15.7	
Minimum ampacity for wire sizing (Amps)	14.7		18.1	
Max. fuse size (Amps)	15		20	
Control Transformer (VA)	40		40	
External control power available Heating (VA)	40		40	
Cooling (VA)	30		30	
Blower Data (Side Air Return)				
Heating blower speed at 0.25 in wc (50 Pa)	See the ECM air flow table		See the ECM air flow table	
Heating blower speed at 0.50 in wc (125 Pa)	Med-High		Med-High	
Motor (HP) / Number of speeds	3/4 HP / ECM (with power choke)		1.0 HP / ECM (with power choke)	
Blower wheel size in(mm) - tight housing	12 x 9 (305 x 229) tight housing		12 x 10 (305 x 254) tight housing	
General Information				
Overall dimensions W x D x H - in(mm)	21 x 47 x 33 3/4 (533 x 1194 x 857)		24 7/8 x 52 x 39 1/4 (632 x 1320 x 997)	
Supply air opening - in(mm)	19 3/4 x 19 3/4 (502 x 502)		23 3/4 x 23 3/4 (603 x 603)	
Return air opening - in(mm)	19 3/4 x 19 3/4 (502 x 502)		23 3/4 x 19 3/4 (603 x 502)	
Filter size, 1 or 2 inch (25 or 51mm) - in(mm)	20 x 20 x 1 or 2 (508 x 508 x 25 or 51) 16 x 20 x 1 (406 x 508 x 25) quantity = 2		20 x 24 x 1 or 2 (508 x 610 x 25 or 51) quantity = 1 16 x 24 x 1 (406 x 610 x 25) quantity = 2	
Shipping weight - lbs(kg)	195 (89)		270 (122.5)	
Air conditioning at .5 in wc (125 Pa), maximum output (tons)	4		5	

* INPUT & OUTPUT ADJUSTMENT

Pump pressure can be adjusted to maintain proper firing rate.
Adjust flue gas temperature between 400 and 575 °F/204 and 301 °C
Adjust fan speed for air temperature rise of 55 to 85 °F/30 to 47 °C.

** AFUE value established after minimum 20 hours of continuous operation.

‡ Meets EnergyStar guidelines



As an Energy Star® Partner, International Comfort Products has determined that this product meets the ENERGY STAR® guidelines for energy efficiency. Ask your contractor for details or visit www.energystar.gov

AIR FLOW – CFM (L/s)

OLV098

OIL HEATING MODE – 24 VAC input (R) on W only				
SW1– HEAT DIP switch position	HEAT INPUT (USGPH)	CFM (L/s) with SW3–ADJ DIP switch position A	CFM (L/s) with SW3–ADJ DIP switch position B	CFM (L/s) with SW3–ADJ DIP switch position C
A (1=OFF, 2=OFF)	0.70	1260 (595)	1385 (654)	1135 (536)
B (1=ON, 2=OFF)	0.60	1050 (496)	1155 (545)	945 (446)
C (1=OFF, 2=ON)	0.50	850 (401)	935 (441)	765 (361)
D (1=ON, 2=ON)	Same value as DIP switch position A			

CONTINUOUS FAN – 24 VAC input (R) on G only				
SW2– COOL DIP switch position	A/C size (TON)	CFM (L/s) with SW3–ADJ DIP switch position A	CFM (L/s) with SW3–ADJ DIP switch position B	CFM (L/s) with SW3–ADJ DIP switch position C
A (1=OFF, 2=OFF)	3.0	900 (425)	990 (467)	810 (382)
B (1=ON, 2=OFF)	2.5	750 (354)	830 (392)	675 (319)
C (1=OFF, 2=ON)	2.0	600 (283)	660 (311)	540 (255)
D (1=ON, 2=ON)	1.5	450 (212)	495 (234)	405 (191)

COOLING OR HEAT PUMP HEATING MODE – 24 VAC input (R) to G, Y/Y2 and O (for cooling)				
SW2– COOL DIP switch position	A/C size (TON)	CFM (L/s) with SW3–ADJ DIP switch position A	CFM (L/s) with SW3–ADJ DIP switch position B	CFM (L/s) with SW3–ADJ DIP switch position C
A (1=OFF, 2=OFF)	3.0	1200 (566)	1320 (623)	1080 (510)
B (1=ON, 2=OFF)	2.5	1000 (472)	1100 (519)	900 (425)
C (1=OFF, 2=ON)	2.0	800 (378)	880 (415)	720 (340)
D (1=ON, 2=ON)	1.5	600 (283)	660 (311)	540 (255)

In Cooling - Dehumidification mode, with no 24 VAC input to DH, the CFM (L/s) are reduced by 15%.
The CFM (L/s) shown are reduced by 55% if there is 24 VAC input to Y1 (Slow speed of 2-speed compressor)

DELAY PROFILE FOR OIL HEATING MODE				
SW4– DELAY DIP switch position	HEAT INPUT (USGPH)	PreRun On–Delay CFM (L/s) Level – Time	ShortRun On–Delay CFM (L/s) Level – Time	Off–Delay CFM (L/s) Level – Time
A (1=OFF, 2=OFF)	0.75	13% – 45 sec.	19% – 30 sec	38% – 3 min.
B (1=ON, 2=OFF)	0.65	13% – 45 sec.	19% – 60 sec	38% – 3 min.
C (1=OFF, 2=ON)	0.50	13% – 60 sec.	13% – 60 sec	38% – 3 min.
D (1=ON, 2=ON)	All	13% – 30 sec.	100% – 0 sec	100% – 2 min.

PreRun and ShortRun are the periods of time when the the blower starts at very low CFM (L/s) to minimize the distribution of cool air in the system and then runs up to normal speed.
Off Delay is the time required to cool down the heat exchanger with low CFM (L/s), to minimize cool draft in the air distribution system.

DELAY PROFILE FOR COOLING OR HEAT PUMP HEATING MODE				
No adjustment required	A/C size	PreRun On–Delay CFM (L/s) Level – Time	ShortRun On–Delay CFM (L/s) Level – Time	Off–Delay CFM (L/s) Level – Time
-	All	No delay	No delay	100% – 90 sec.

PreRun and ShortRun are the periods of time when the the blower starts at very low CFM (L/s) to minimize the distribution of cool air in the system and then runs up to normal speed.
Off Delay is the time required to cool down the coil (heating mode) with low CFM (L/s), to minimize cool draft in the air distribution system.

OLV112

OIL HEATING MODE – 24 VAC input (R) on W only				
SW1– HEAT DIP switch position	HEAT INPUT (USGPH)	CFM (L/s) with SW3–ADJ DIP switch position A	CFM (L/s) with SW3–ADJ DIP switch position B	CFM (L/s) with SW3–ADJ DIP switch position C
A (1=OFF, 2=OFF)	0.68	1160 (547)	1310 (618)	990 (467)
B (1=ON, 2=OFF)	0.80	1340 (632)	1400 (661)	1140 (538)
C (1=OFF, 2=ON)*	0.68	1000 (472)	1130 (533)	850 (401)
D (1=ON, 2=ON)*	0.80	1160 (547)	1310 (618)	990 (467)

CONTINUOUS FAN – 24 VAC input (R) on G only				
SW2– COOL DIP switch position	A/C size (TON)	CFM (L/s) with SW3–ADJ DIP switch position A	CFM (L/s) with SW3–ADJ DIP switch position B	CFM (L/s) with SW3–ADJ DIP switch position C
A (1=OFF, 2=OFF)	4.0	1200 (566)	1320 (623)	1080 (510)
B (1=ON, 2=OFF)	3.5	1050 (496)	1155 (545)	945 (446)
C (1=OFF, 2=ON)	3.0	900 (425)	990 (467)	810 (382)
D (1=ON, 2=ON)	2.5	750 (354)	825 (389)	675 (319)

COOLING OR HEAT PUMP HEATING MODE – 24 VAC input (R) to G, Y/Y2 and O (for cooling)				
SW2– COOL DIP switch position	A/C size (TON)	CFM (L/s) with SW3–ADJ DIP switch position A	CFM (L/s) with SW3–ADJ DIP switch position B	CFM (L/s) with SW3–ADJ DIP switch position C
A (1=OFF, 2=OFF)	4.0	1600 (755)	1760 (831)	1440 (680)
B (1=ON, 2=OFF)	3.5	1400 (661)	1540 (727)	1260 (595)
C (1=OFF, 2=ON)	3.0	1200 (566)	1320 (623)	1080 (510)
D (1=ON, 2=ON)	2.5	1000 (472)	1100 (520)	900 (425)

In Cooling - Dehumidification mode, with no 24 VAC input to DH, the CFM (L/s) are reduced by 15%.
The CFM (L/s) shown are reduced by 20% if there is 24 VAC input to Y1 (first stage cooling mode)

AIR FLOW – OLV112 continued

DELAY PROFILE FOR OIL HEATING MODE				
SW4- DELAY DIP switch position	HEAT INPUT (USGPH)	PreRun On-Delay CFM (L/s) Level - Time	ShortRun On-Delay CFM (L/s) Level - Time	Off-Delay CFM (L/s) Level - Time
A (1=OFF, 2=OFF)	0.68	13% - 45 sec.	19% - 60 sec	38% - 3 min.
B (1=ON, 2=OFF)	0.80	13% - 45 sec.	19% - 30 sec	38% - 3 min.
C (1=OFF, 2=ON)	All	13% - 45 sec.	100% - 0 sec	100% - 2 min.
D (1=ON, 2=ON)	All	13% - 90 sec.	100% - 0 sec	100% - 2 min.

PreRun and ShortRun are the periods of time when the the blower starts at very low CFM (L/s) to minimize the distribution of cool air in the system and then runs up to normal speed.

Off Delay is the time required to cool down the heat exchanger with low CFM (L/s), to minimize cool draft in the air distribution system.

DELAY PROFILE FOR COOLING OR HEAT PUMP HEATING MODE				
No adjustment required	A/C size	PreRun On-Delay CFM (L/s) Level - Time	ShortRun On-Delay CFM (L/s) Level - Time	Off-Delay CFM (L/s) Level - Time
-	All	No delay	No delay	100% - 90 sec.

PreRun and ShortRun are the periods of time when the the blower starts at very low CFM (L/s) to minimize the distribution of cool air in the system and then runs up to normal speed.

Off Delay is the time required to cool down the coil (heating mode) with low CFM (L/s), to minimize cool draft in the air distribution system.

* Alternate adjustment in oil-fired heating mode with higher temperature rise

OLV154

OIL HEATING MODE – 24 VAC input (R) on W only				
SW1- HEAT DIP switch position	HEAT INPUT (USGPH)	CFM (L/s) with SW3-ADJ DIP switch position A	CFM (L/s) with SW3-ADJ DIP switch position B	CFM (L/s) with SW3-ADJ DIP switch position C
A (1=OFF, 2=OFF)	0.90	1450 (684)	1640 (774)	1235 (583)
B (1=ON, 2=OFF)	1.10	1700 (802)	1920 (906)	1445 (682)
C (1=OFF, 2=ON)	Settings not used in this mode			
D (1=ON, 2=ON)				

CONTINUOUS FAN – 24 VAC input (R) on G only				
SW2- COOL DIP switch position	A/C size (TON)	CFM (L/s) with SW3-ADJ DIP switch position A	CFM (L/s) with SW3-ADJ DIP switch position B	CFM (L/s) with SW3-ADJ DIP switch position C
A (1=OFF, 2=OFF)	5.0	1500 (708)	1650 (779)	1350 (637)
B (1=ON, 2=OFF)	4.0	1200 (566)	1320 (623)	1080 (510)
C (1=OFF, 2=ON)	3.5	1050 (496)	1155 (545)	945 (446)
D (1=ON, 2=ON)	3.0	900 (425)	990 (467)	810 (382)

COOLING OR HEAT PUMP HEATING MODE – 24 VAC input (R) to G, Y/Y2 and O (for cooling)				
SW2- COOL DIP switch position	A/C size (TON)	CFM (L/s) with SW3-ADJ DIP switch position A	CFM (L/s) with SW3-ADJ DIP switch position B	CFM (L/s) with SW3-ADJ DIP switch position C
A (1=OFF, 2=OFF)	5.0	2000 (944)	2200 (1038)	1800 (849)
B (1=ON, 2=OFF)	4.0	1600 (755)	1760 (831)	1440 (680)
C (1=OFF, 2=ON)	3.5	1400 (661)	1540 (727)	1260 (595)
D (1=ON, 2=ON)	3.0	1200 (566)	1320 (623)	1080 (510)

In Cooling – Dehumidification mode, with no 24 VAC input to DH, the CFM (L/s) are reduced by 15%.

The CFM (L/s) shown are reduced by 20% if there is 24 VAC input to Y1 (first stage cooling mode)

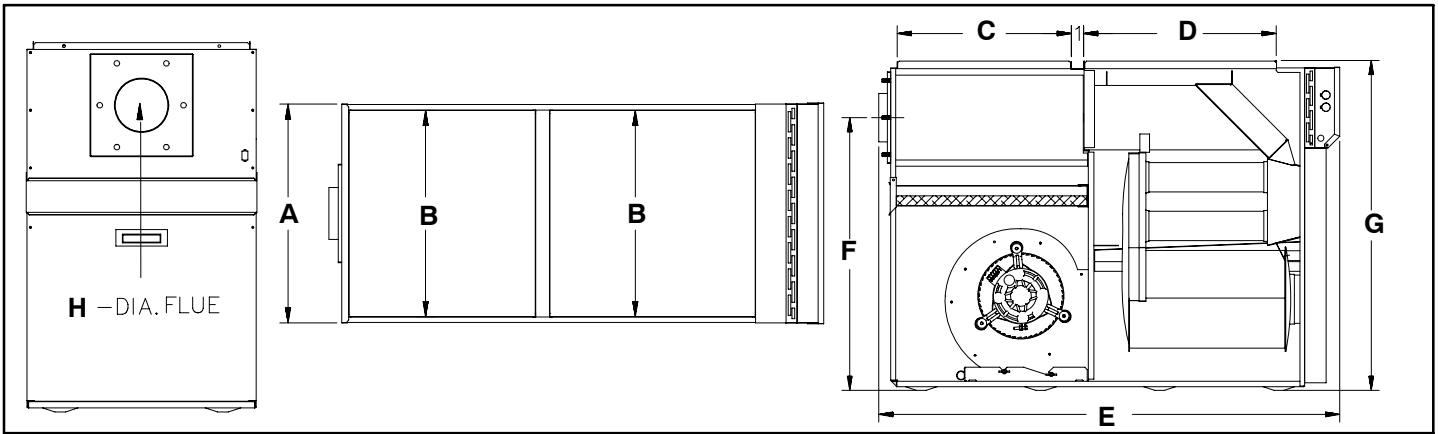
DELAY PROFILE FOR OIL HEATING MODE				
SW4- DELAY DIP switch position	HEAT INPUT (USGPH)	PreRun On-Delay CFM (L/s) Level - Time	ShortRun On-Delay CFM (L/s) Level - Time	Off-Delay CFM (L/s) Level - Time
A (1=OFF, 2=OFF)	0.90	13% - 45 sec.	44% - 30 sec	38% - 3 min.
B (1=ON, 2=OFF)	1.10	13% - 30 sec.	44% - 30 sec	38% - 3 min.
C (1=OFF, 2=ON)	1.10	13% - 30 sec.	50% - 30 sec	38% - 3 min.
D (1=ON, 2=ON)	setting not used in this application			

PreRun and ShortRun are the periods of time when the the blower starts at very low CFM (L/s) to minimize the distribution of cool air in the system and then runs up to normal speed. Off Delay is the time required to cool down the heat exchanger with low CFM (L/s), to minimize cool draft in the air distribution system.

CLEARANCES FROM COMBUSTIBLE MATERIALS – in(mm)

Location	Application	Clearances	Recommended Access for Service
Sides	Furnace	1 (25.4)	24 (609.6)
	Supply plenum within 6ft (1.8m) of furnace	1 (25.4)	
Back	Access panel to blower	4 (101.6)	24 (609.6)
Top	Furnace or Plenum	2 (50.8)	
	Horizontal warm air duct – within 6ft (1.8m) of furnace	2 (50.8)	
Bottom	Furnace – (combustible floor)	0	
Flue pipe	Horizontally or below flue pipe	4 (101.6)	
	Vertically above flue pipe	9 (228.6)	
Front	Furnace – (burner end)	8 (203.2)	24 (609.6)

DIMENSIONS – in(mm)



OLV	DIMENSIONS – inches							
	A	B	C	D	E	F	G	H
098	21	20	18	20	47	28	34	5
112	21	19 3/4	19 3/4	19 5/8	46 1/2	28 1/8	33 3/4	5
154	24 7/8	23 3/4	19 3/4	23 3/4	51 7/8	32 1/2	39 1/4	6 1/8

OLV	DIMENSIONS – millimeters							
	A	B	C	D	E	F	G	H
098	533	508	457	508	1194	711	864	127
112	533	502	502	498	1181	714	857	127
154	632	603	502	603	1318	826	997	156

MODEL NUMBER IDENTIFICATION GUIDE

MODEL NUMBER	O	L	V	098	A	12	#	REVISION
FUEL	O = Oil							AIR FLOW
PRODUCT GROUP	U = Upflow H = Horizontal T = Upflow/Horizontal L = Lo-Boy		D = Downflow C = Downflow/Horizontal M = Multiposition					10 = 1000 CFM 12 = 1200 CFM 14 = 1400 CFM
SERIES	F = Front Breech R = Rear Breech V = Variable Motor							SUPPLY PLENUM SIZE
								A = 20 x 20 B = 24 x 24 C = 21 1/8 x 21 1/2 G = 22 x 30 K = 17 1/2 x 19
								D = 19 x 20 E = 19 x 24 F = 20 x 24 J = 16 x 19
								INPUT, MBTUH

ACCESSORIES

Product Model No.	Burners	Nozzle –(supplied)
OLV098	N01J050 – Beckett (chimney or direct)	(0.50–60A – N03F014) (0.60–60A – N03F017)
	N01F054 – Riello (chimney)	(0.50 – 70A – N03F015) 0.60–70A – N03F026
	N01F055 – Riello (direct)	(0.50 – 70A – N03F015) 0.60–70A – N03F026
OLV112	N01J052 – Beckett (chimney or direct)	(0.60–60A – N03F017) 0.70–60A – N03F030
	N01F051 – Riello (chimney)	(0.60–70A – N03F026) 0.70–70A – N03F024
	N01F052 – Riello (direct)	(0.60–70A – N03F026) 0.70–70A – N03F024
OLV154	N01J053 – Beckett (chimney or direct)	(0.75–60B) – N03H010 0.90–60B – N03H029
	N01F053 – Riello (chimney)	(0.75–70A) – N03F028 0.90–60A – N03F029
	N01F056 – Riello (direct)	(0.75–70A) – N03F028 0.90–60A – N03F026

Accessories Model No	Description
N03F014	Nozzle, Oil Burner, Delavan, 0.50 GPH/60°A-Beckett (supplied with burner)
N03F014	Nozzle, Oil Burner, Delavan, 0.50 GPH/60°A-Beckett (supplied with burner)
N03F017	Nozzle, Oil Burner, Delavan, 0.60 GPH/60°A-Beckett
N03F015	Nozzle, Oil Burner, Delavan, 0.50 GPH/70° A-Riello (supplied with burner)
N03H010	Nozzle, Oil Burner, Delavan, 0.75 GPH/60° B-Beckett
N03H029	Nozzle, Oil Burner, Delavan, 0.90 GPH/60° B-Beckett
N03F026	Nozzle, Oil Burner, Delavan, 0.60 GPH/70° A-Riello
N03F028	Nozzle, Oil Burner, Delavan, 0.75 GPH/60° A-Riello
N03F029	Nozzle, Oil Burner, Delavan, 0.90 GPH/60° A-Riello
N01F051	Riello Burner (Chimney Vent) for OLV112
N01F052	Riello Burner (Direct Vent) for OLV112
N01F053	Riello Burner (Chimney Vent) for OLV154
N01F054	Riello Burner (Chimney Vent) for OLV098
N01F055	Riello Burner (Direct Vent) for OLV098
N01F056	Riello Burner (Direct Vent) for OLV154
N01J050	Beckett NX Oil Burner (Chimney or Direct Vent) for OLV098
N01J052	Beckett Burner (Chimney or Direct Vent) for OLV112
N01J053	Beckett Burner (Chimney or Direct Vent) for OLV154
VTK098	Vent Terminal Kit 4" (102mm)
VTK3	Vent Terminal Kit 5" (127mm)
IFV09810	Insulated Flex Vent for 4" Breech Models 10ft (3m)
IFV09820	Insulated Flex Vent for 4" Breech Models 20ft (6m)
IFV508	Insulated Flex Vent for 5" Breech Models 8ft (2.4m)
IFV520	Insulated Flex Vent for 5" Breech Models 20ft (6m)

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