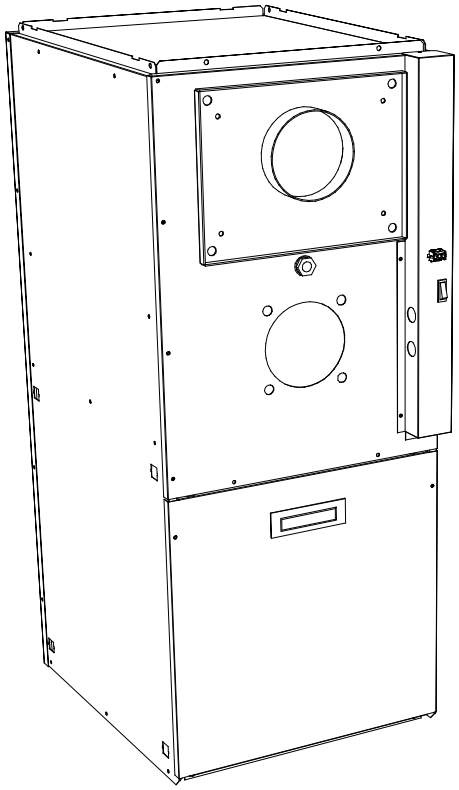
OMV
Product Specifications



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

HI-BOY MULTI-POSITION, VARIABLE SPEED OIL FURNACE

FEATURES

- **Stainless Steel construction** – Heavy gauge heat exchanger quickly transfers heat to the ambient air
- **Multi-position** – True four-way multipoise unit that opens-up installation possibilities
- **Low profile** – OMV098 is 40-3/4 inches (1035mm) high and OMV112 is 41-1/2 inches (1054mm) high OMV154 is 47-7/8 inches (1216mm) high
- **Sound attenuator** – High density acoustic wool dampens combustion sound
- **Motor** – Variable speed ECM motor that provides true constant CFM capabilities
- **Burners** – Choice of high static pressure oil burners

  Becket AFG & NX, Riello 40-F3 (Burners must be ordered separately)
- **Inspection port** – External for easy access and sealed – Adjust combustion parameters and simplify inspections
- **Accessories included** – Barometric draft regulator, external filter rack and air filter
- **High quality finish** – High gloss baked
- **Efficiency** – AFUE up to 87.1% Canada, 86.4% US
- **Approved** – For chimney vent and sealed combustion installations

LIMITED 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

* For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications

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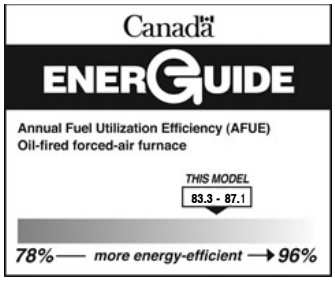


ONLY applies to applications in Canada where the furnace is installed in the conditioned space, per sections 5.35.1.2 and 4.7.1.1 of CSA standard B212 dated October 2000.

Model Number	Input (BTU/h)	Efficiency AFUE		Cooling capacity @ .5 in. w.c. (125 Pa)	Dimensions in(mm) H x W x D†	Shipping Wt. Lbs. (Kg.)
		CANADA	US			
OMV098J12	70,000-84,000	85.3‡ - 87.0‡	85.0‡-86.4‡	3 Tons	40-3/4 x 16-7/8 x 21-1/2 (1035 x 429 x 546)	125 (57)
OMV112K14	95,200-112,000	85.5‡-87.1‡	85.3‡-85.8‡	3.5 Tons	41-1/2 x 21-3/4 x 25-3/4 (1054 x 553 x 654)	153 (70)
OMV154L20	126,000-154,000	85.3‡-87.0‡	85.0‡-86.0‡	5.0 Tons	47-7/8 x 28-1/2 x 25 (1216 x 724 x 635)	200 (90)

‡ Meets EnergyStar guidelines (Only specific firing rates meet the ENERGY STAR® guidelines).
† Depth is without the burner

Specifications are subject to change without notice.

MODEL NUMBER IDENTIFICATION GUIDE

MODEL NUMBER	O	M	V	098	J	12	#

FUEL
O = Oil

PRODUCT GROUP
U = Upflow
H = Horizontal
T= Upflow/Horizontal
L= Lo-Boy
D = Downflow
C = Downflow/Horizontal
M = Multiposition

SERIES
F = Front Breech
R = Rear Breech
V = Variable Motor

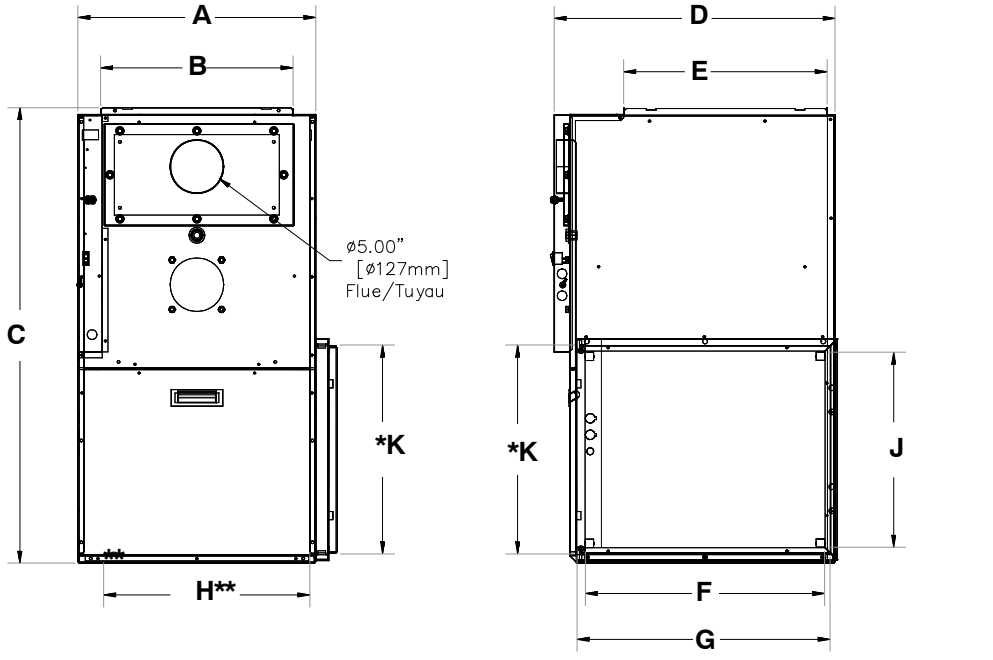
REVISION

AIR FLOW
10 = 1000 CFM
12 = 1200 CFM
14 = 1400 CFM

SUPPLY PLENUM SIZE
A = 20 x 20
B = 24 x 24
C = $21^1/_8$ x $21^1/_2$
D = 19 x 20
E = 19 x 24
F = 20 x 24
G = 22 x 30
J = 16 x 19
K = $17^1/_2$ x 19
L = 20 x 22

INPUT, MBTUH

DIMENSIONS AND CLEARANCES



* OUVERTURE CONDUIT/DUCT OPENING

DNS-1226 Rev.A

FURNACE DIMENSIONS - in(mm)

OMV	DIMENSIONS - in(mm)									
	A	B	C	D	E	F	G	H	J	K
098	16-7/8(429)	16(406)	40-3/4(1035)	21-1/2(546)	19(483)	17-3/4(451)	19	18-3/4(476)	17-3/4(451)	19(483)
112	21-5/8(550)	17-1/2(444)	41-1/2(1054)	25-1/2(649)	19(483)	21-3/4(552)	23(584)	18-3/4(476)	17-3/4(451)	19(483)
154	23(584)	20(508)	47-7/8(1216)	28-1/2(725)	22(559)	21-3/4(552)	23(584)	25(635)	21-3/4(552)	23(584)

MINIMUM INSTALLATION CLEARANCES FROM COMBUSTIBLE MATERIALS - in(mm)

Location	Application	Upflow	Downflow	Horizontal
Sides	Furnace[1]	1 (25.4)	1 (25.4)	N / A
	OMV154 Furnace[1]	1 (25.4)	2 (50.8)	N / A
	Supply plenum - within 6ft (1.8m) of furnace[1]	2 (50.8)	2 (50.8)	1 (25.4)
Bottom	Furnace[2] (*use sub-base on combustible floor)	0	2 (50.8)[4]	1 (25.4)[3]
Back	OMV098 Furnace (opposite end of burner)[1]	3 (76.2)	3 (76.2)	1 (25.4)
	OMV112 & OMV154 Furnace (opposite end of burner)[1]	3 (76.2)	3 (76.2)	3 (76.2)
Top	Furnace[2] or Plenum	N / A	N / A	2 (50.8)
	Horizontal warm air duct - within 6ft (1.8m) of furnace	2 (50.8)	2 (50.8)	2 (50.8)
Flue pipe	Vertically above flue pipe	9 (228.6)	9 (228.6)	9 (228.6)
Front	Furnace (burner end)[1]	18 (457.2)	18 (457.2)	18 (457.2)

[1] Horizontal dimensions

[2] Vertical dimensions

[3] This dimension can be obtained by using Horizontal Flow Base # HFB101

[4] This dimension can be obtained by using Downflow Base # DFB102 for OMV098 or DFB103 for OMV112 or DFB104 for OMV154

FURNACE SPECIFICATIONS

Model:	OMV098		OMV112		OMV154	
Rating & Performance						
Firing rate (USGPH)*	0.50	0.60	0.68	0.80	0.90	1.10
Input (BTU/h)*	70,000	84,000	95,200	112,000	126,000	154,000
Maximum heating capacity (BTU/h)*	59,200	70,400	79,000	93,000	107,000	129,000
Heating temperature rise *	30 - 47°C / 55 - 85°F		33 - 40°C / 60 - 72°F		33 - 40°C / 60 - 72°F	
Flue draft with chimney (in. w.c. / Pa)	-0.06 to -0.025 / -14.9 to -6.2		-0.06 to -0.025 / -14.9 to -6.2		-0.06 to -0.035 / -14.9 to -8.7	
Overfire pressure with chimney (in. w.c. / Pa)	-0.035 to +0.010 / -8.7 to +2.5		-0.035 to +0.025 / -8.7 to +6.2		-0.035 to +0.045/-8.7 to+11.2	
Flue draft with direct vent (in. w.c. / Pa)	+0.05 to +0.20 / +12.5 to +50		+0.03 to +0.15 / +7.5 to +37.5		+0.05 to +0.16 / +12.5 to +40	
Overfire pressure with direct vent (in. w.c. / Pa)	+0.03 to +0.15 / +7.5 to +37.5		+0.05 to +0.17 / +12.5 to +42.3		+0.06 to +0.22/+14.9 to +54.8	
Beckett Burner; (Chimney)	**AFG70MQSS**		**AFG70MQSS**			
Burner tube insertion length	1-3/4" (45mm)		1-3/4" (45mm)			
Head type	2-slots L2 head		2-slots L2 head			
Nozzle (Delavan) **	0.40-60A	**0.50-60A**	**0.60 - 60W**	0.65 - 60B		
Low firing rate baffle	Yes (5580)	Yes (5580)	N/A	N/A	N/A	
Pump pressure (PSIG)*	155	145	140	150		
Head/Air setting	4/0	8/0	10/0 (Note 1)	10/0 (Note 1)		
AFUE % (From CSA B212 standard & Canadian regulation)***	85.6 ‡	85.6 ‡	86.3 ‡	85.6 ‡		
AFUE % (From ASHRAE 103 standard & US regulation)***	85.2 ‡	85.1 ‡	85.3 ‡	85.4 ‡		
Beckett Burner; (Chimney or Direct Vent)	**NX56LQ**		**NX56LQ**		**NX50LC**	
Burner tube insertion length	2-3/4" (70mm)		1-3/4" (45mm)		1-3/4" (45mm)	
Head type	6-slots LQ head		6-slot LQ head		6-slot LC head	
Nozzle (Delavan) **	0.40-60W	**0.50-60W**	**0.60 - 60A**	0.70 - 60A	0.75-60B	0.90-60B
Low firing rate baffle	Yes (32229)	Yes (32229)	N/A	N/A	N/A	N/A
Pump pressure (PSIG)*	155	145	130	130	145	150
Combustion air adjustment OR Head/Air setting	2.0	2.75	3.5	2.5	3.5	4.0
AFUE % (From CSA B212 standard & Canadian regulation)***	86.7 ‡	85.7 ‡	87.1 ‡	86.6 ‡	87.0 ‡	85.6 ‡
AFUE % (From ASHRAE 103 standard & US regulation)***	86.1 ‡	85.4 ‡	85.8 ‡	85.3 ‡	85.3 ‡	85.1 ‡
Riello Burner; (Chimney)	**40-F3 with Air Inlet Damper**				**F5 with Electric Air Damper**	
Burner tube insertion length	2-3/4" (70mm)		2-3/4" (70mm)		2 3/4" (70mm)	
Nozzle (Delavan)	0.40-70A	**0.50-70A**	**0.60 - 70A**	0.70 - 70A	0.75-70A	0.90-70A
Pump pressure (PSIG)*	155	145	130	130	145	150
Combustion air adjustment (turbulator/damper)	0 / 1.5	0 / 2.5	1 / 2.6	2 / 3.1	1.5/2.25	2.5/2.75
AFUE % (From CSA B212 standard & Canadian regulation)***	87.0 ‡	86.3 ‡	87.0 ‡	86.8 ‡	86.6 ‡	85.3 ‡
AFUE % (From ASHRAE 103 standard & US regulation)***	86.4 ‡	85.9 ‡	85.8 ‡	85.4 ‡	86.0 ‡	85.0 ‡
Riello Burner; (Direct vent)	**40-BF3**		**40-BF5**		**40-BF5**	
Burner tube insertion length	2-3/4" (70mm)		2-3/4" (70mm)		2 3/4" (70mm)	
Nozzle (Delavan)	0.40-70A	**0.50-70A**	**0.60 - 70A**	0.70 - 70A	0.75-70A	0.90-70A
Pump pressure (PSIG)*	155	145	130	130	145	150
Combustion air adjustment (turbulator/damper)	0 / 3.25	0 / 4	0 / 2.75	0 / 3.25	1.0/3.75	3.0/4.25
AFUE % (From CSA B212 standard & Canadian regulation)***	85.6 ‡	85.3 ‡	86.7 ‡	85.5 ‡	86.4 ‡	85.7 ‡
AFUE % (From ASHRAE 103 standard & US regulation)***	85.1 ‡	85.0 ‡	85.3 ‡	85.3 ‡	86.1 ‡	85.0 ‡
Electrical System						
Volts - Hz - Phase	115 - 60 - 1		115 - 60 - 1		115 - 60 - 1	
Rated current (Amps)	10.3		10.3		15.7	
Minimum ampacity for wire sizing (Amps)	12.2		12.2		18.1	
Max. fuse size (Amps)	15		15		20	
Control Transformer (VA)	40		40		40	
External control power available Heating/Cooling (VA)	40/30		40/30		40/30	
Blower Data (Side Air Return)						
Motor (HP) / Number of speeds	1/2 HP / ECM (with inductor)		1/2 HP / ECM		1 HP / ECM	
Blower wheel size in(mm)	10 x 8 (254 x 203)		10 x 10 (254 x 254)tight housing		12 x 10 (301 x 254) tight housing	

* INPUT & OUTPUT ADJUSTMENT
Pump pressure can be adjusted to maintain proper firing rate
Increase pump pressure if flue gases' temperature is under 400°F
Adjust the **total** flue gas temperature between 400°F and 575°F/330°F and 505°F **net** approx.)
Adjust fan speed for air temperature rise to be in specified range

** Default installed nozzle in bold character

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

FURNACE SPECIFICATIONS

General Information			
Overall dimensions W x D x H – in(mm)	16-7/8 x 21-1/8 x 40-3/4 (429 x 511 x 1035)	21-3/4 x 25-3/4 x 41-1/2 (553 x 654 x 1054)	25 x28-1/2 x 47-7/8 (635 x 724 x 1216)
Supply air opening – in(mm)	16 x 19 (406 x 483)	17-1/2 x 19 (445 x 483)	20 x 22 (508 x 559)
Return air opening – in(mm)	19 x 19 (483 x 483)	23 x 19 (584 x 483)	23 x 23 (584 x584)
Filter size – in(mm)	20 x 20 (508 x 508)	24 x 20 x 1 (610 x 508 x 25)	24 x 24 x 1 (610 x 610 x 25)
Shipping weight – lbs(kg)	125 (57)	153 (70)	200 (91)
Air conditioning, maximum output (tons) at .50 in. w.c. (125 Pa)	3	3.5	5.0

AIR FLOW – CFM (L/s)

OMV098

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 (heating mode) 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.

AIR FLOW – CFM (L/s) continued

OMV112

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)	3.5	1050 (496)	1210 (571)	895 (422)
B (1=ON, 2=OFF)	3.0	900 (425)	1035 (488)	765 (361)
C (1=OFF, 2=ON)	2.5	750 (354)	865 (408)	640 (302)
D (1=ON, 2=ON)	2.0	600 (283)	690 (326)	510 (241)

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)	3.5	1400 (661)	1400 (1400)	1260 (595)
B (1=ON, 2=OFF)	3.0	1200 (566)	1320 (623)	1080 (510)
C (1=OFF, 2=ON)	2.5	1000 (472)	1100 (519)	900 (425)
D (1=ON, 2=ON)	2.0	800 (378)	880 (415)	720 (340)

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)	0.68	13% - 45 sec.	19% - 60 sec	38% - 3 min.
B (1=ON, 2=OFF)	0.8	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

AIR FLOW – CFM (L/s) continued

OMV154

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)	1595 (753)	1305 (616)
B (1=ON, 2=OFF)	1.10	1700 (802)	1870 (882)	1530 (722)
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)	1725 (814)	1275 (602)
B (1=ON, 2=OFF)	4.0	1200 (566)	1380 (651)	1020 (481)
C (1=OFF, 2=ON)	3.5	1050 (496)	1207 (570)	890 (420)
D (1=ON, 2=ON)	3.0	900 (425)	1035 (488)	765 (361)

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% – 90 sec.	31% – 30 sec	50% – 4 min.
B (1=ON, 2=OFF)	1.10	13% – 60 sec.	31% – 30 sec	38% – 5 min.
C (1=OFF, 2=ON)	ALL	13% – 90 sec.	31% – 30 sec	56% – 5 min.
D (1=ON, 2=ON)	ALL	13% – 60 sec.	31% – 30 sec	44% – 5 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

ACCESSORIES

Product Model No.	Burners	Nozzle (supplied)
OMV098	N01J050 Beckett (chimney or direct)	(0.50-60W)
	N01F054 Riello (chimney)	(0.50 - 70A)
	N01F055 Riello (direct)	(0.50 - 70A)
OMV112	N01J052 Beckett (chimney or direct)	(0.60-60W)
	N01F051 Riello (chimney)	(0.60-60A)
	N01F052 Riello (chimney or direct)	(0.60-70A)
OMV154	N01J053 Beckett (chimney)	(0.75-60B)
	N01F053 Riello (chimney)	(0.60-70A)
	N01F056 Riello (direct)	(0.75-70A)

ACCESSORY DESCRIPTION

Model No	Description
N01F051	Riello Burner (Chimney Vent) for OMV112
N01F052	Riello Burner (Direct Vent) for OMV112
N01F054	Riello Burner (Chimney Vent) for OMV098
N01F055	Riello Burner (Direct Vent) for OMV098
N01F056	Riello Burner (Direct Vent) for OMV154
N01J050	Beckett NX Oil Burner for OMV098
N01J052	Beckett NX Oil Burner for OMV112
N01J053	Beckett NX Oil Burner for OMV154
DFB102	Downflow Subbase for OMV098
DFB103	Downflow Subbase for OMV112
DFB104	Downflow Subbase for OMV154
FRB101	Floor Return Base for OMV098
IFV520	5″ Ø x 20' Insulated Flex Vent for 5″(127mm), Breech Models 20ft (6m) for OMV154
IFV09820	4″ Ø x 20' Insulated Flex Vent for 4" (102mm) Breech Models 20ft (6m)
VTK098	Vent Terminal Kit for 4"
VTK3	Vent Terminal Kit for 5"