



## GAS-FIRED CONDENSING MOBILE HOME FURNACE DOWN FLOW & DIRECT VENT (SEALED COMBUSTION) FURNACE SPECIFICATIONS

MODEL NO.	VMA4-50D36		VMA4-75D36	
HEAT INPUT RATE (BTUH)	50,000		75,000	
OUTPUT (BTUH) <sup>1</sup>	48,000		72,000	
SEASONAL EFFICIENCY <sup>2</sup>	95%		95%	
LARGEST REC A/C <sup>3</sup>	3 TONS		3 TONS	
FUEL	NAT	LP	NAT	LP
BURNER ORIFICE	#42	#54	#42	#54
GAS SUPPLY PRESSURE (IN W.G.)				
MINIMUM REQUIRED	4.5	11	4.5	11
MAXIMUM ALLOWED	14	14	14	14
GAS MANIFOLD PRESSURE (IN W.G.)	3.5±0.3	10±0.3	3.5±0.3	10±0.3
NOMINAL TEMP. RISE	55°		65°	
VENT PIPE SIZE (IN.)	2" PVC		2" PVC	
CASING HEIGHT (IN.)	57"		57"	
CASING WIDTH (IN.)	18"		18"	
CASING DEPTH (IN.)	25 3/4"		25 3/4"	
APPROX. SHIPPING WEIGHT (LBS.)	175 LBS.		185 LBS.	
APPROVAL AGENCY	ETL		ETL	
SIZE OF PERM. FILTER	18" X 24"		18" X 24"	
ELECTRICAL REQUIREMENTS	115 VAC/ 60 HZ/ 1 PHASE		115 VAC/ 60 HZ/ 1 PHASE	
MAX FUSE SIZE	15 AMPS		15 AMPS	
TOTAL RATED CURRENT AMPS.	7.15		7.15	
SUPPLY AIR OUTLET SIZE (W-IN X D-IN)	12" X 12"		12" X 12"	
NOMINAL HEAT ANTICIPATOR SETTING	0.8mA		0.8mA	
	<b>ACCESSORY ITEMS</b>			
MOBILE HOME BASE	V70BASE		V70BASE	
COTTAGE BASE	01COT-BASE		01COT-BASE	
COIL CABINET FOR 2-3 TON	CE111S		CE111S	
CONCENTRIC VENT KIT (FOR 4" FLUE RJ)	VAOPS7483		VAOPS7483	
CONCENTRIC VENT KIT (FOR 5" FLUE RJ)	AOPS7544		AOPS7544	
DUAL PIPE FLASHING KIT	VAOPS7484		VAOPS7484	
BAYVENT SIDE WALL VENT KIT	V370191		V370191	
SLOPE ADAPTER 2-1/2 / 12	VSA-25		VSA-25	
SLOPE ADAPTER 3-1/2 / 12	VSA-30		VSA-30	
MINI CONDENSATE PUMP KIT	VAOPS7614		VAOPS7614	
NEUTRALIZING KIT	V320095		V320095	
TRIM PLATE ROOF JACK	V619084		V619084	

<sup>1</sup> OUTPUT BTUH BASED ON ANNUAL FUEL UTILIZATION EFFICIENCY RATED BY MANUFACTURER.

<sup>2</sup> SEASONAL EFFICIENCY (ALSO CALLED AFUE-ANNUAL FUEL UTILIZATION EFFICIENCY) RATINGS ARE BASED ON TEST FOLLOWING U.S. DEPARTMENT OF ENERGY TEST PROCEDURES.

<sup>3</sup> TO PERMIT LARGEST RECOMMENDED AIR CONDITIONING (AT .5 STATIC PRESSURE), SELECTION OF THE HIGHEST MOTOR SPEED IS REQUIRED.

MODEL NUMBER DIGIT	1	2	3	4	5	6	7	8	9		10
	FUEL	MOBILE HOME	VERSION	VERSION		INPUT		BLOWER TYPE	CLG. AIRFLOW CAP.		GAS TYPE
GAS FURNACE MODEL NOMENCLATURE EXAMPLE MODEL NUMBERS	V	M	A	4	-	5	0	D	3	6	N
	V	M	A	4	-	7	5	D	3	6	N
C=CONDENSING	V										
M= MOBILE HOME		M									
VERSION			A								
VERSION				4							
					-						
INPUT IN MBTUH (1000'S)						7	5				
BLOWER TYPE D=DIRECT DRIVE								D			
CLG. AIRFLOW CAP. IN 1,000BTU; V=ECM, TONS									3	6	
N= NATURAL GAS L= LIQUID PROPANE											N

- SEE NEXT PAGE FOR MORE DATA -

## GAS FIRED CONDENSING MOBILE HOME FURNACE SPECIFICATIONS

### CLEARANCES TO COMBUSTIBLES

<b>MODELS: ALL MODELS</b>	<b>CLOSET</b>	<b>ALCOVE</b>
<b>FRONT</b>	6"	18"
<b>BACK</b>	0"	0"
<b>SIDES</b>	0"	0"
<b>VENT CONNECTOR (PVC)</b>	0"	0"
<b>TOP</b>	0"	0"
<b>PLENUM SIDES</b>	1"	1"
<b>TOP AND SIDES OF DUCT</b>	1"	1"
<b>BOTTOM DUCT</b>	1"	1"

### BLOWER DATA

<b>FURNACE MODEL</b>	<b>VMA4-50</b>	<b>VMA4-75</b>
<b>BLOWER MODEL</b>	12-9T	12-9T
<b>MOTOR H.P.</b>	½ HP	½ HP
<b>NO. OF SPEEDS PSC</b>	4	4
<b>HIGH SPEED AIRFLOW (SCFM) @ 0.5 IN. W.G. EXTERNAL STATIC PRESSURE</b>	1162	1259
<b>DIAMETER X WIDTH</b>	12 X 9	12 X 9

- SEE NEXT PAGE FOR MORE DATA -

# GAS FIRED CONDENSING MOBILE HOME FURNACE SPECIFICATIONS

## VMA4-50D36

ALTERATIONS REQ'D FOR A/C @ DESIGN EXTERNAL STATIC PRESSURE		
COOLING UNIT	HTG Speed	Recommended CLG Speed
24,000	LOW	MED-LOW
30,000	LOW	MED-HIGH
36,000	LOW	HIGH

Speed Tap \ Static Pressure	Furnace Airflow (CFM) vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	836	805	773	743	695	620	566
ML	1044	1010	972	914	860	826	752
MH	1250	1196	1146	1101	1038	977	902
High	1339	1338	1283	1233	1162	1086	1008

Speed Tap \ Static Pressure	Temperature Rise vs. External Static Pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	53	55	57	59	63	71	78
ML	42	44	45	48	51	53	59
MH	35	37	38	40	42	45	49
High	31	33	34	36	38	41	44

Speed Tap \ Static Pressure	Blower Motor Current Draw (Amps) vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	3.3	3.2	3.1	3.0	2.9	2.7	2.6
ML	4.0	3.8	3.6	3.5	3.4	3.2	3.1
MH	4.6	4.4	4.2	4.1	4.0	3.8	3.6
High	5.3	5.1	5.0	4.9	4.7	4.6	4.4

Speed Tap \ Static Pressure	Blower Motor Watts vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	315	311	304	300	292	281	275
ML	400	390	376	363	351	342	330
MH	485	467	452	441	427	412	394
High	573	555	544	530	513	493	477

= Recommended operation range

- SEE NEXT PAGE FOR MORE DATA -

# GAS FIRED CONDENSING MOBILE HOME FURNACE SPECIFICATIONS

## VMA4-75D36

ALTERATIONS REQ'D FOR A/C @ DESIGN EXTERNAL STATIC PRESSURE		
COOLING UNIT	HTG Speed	Recommended CLG Speed
24,000	MED-LOW	MED-LOW
30,000	MED-LOW	MED-HIGH
36,000	MED-LOW	HIGH

Speed Tap \ Static Pressure	Furnace Airflow (CFM) vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
<b>Low</b>	817	797	773	730	668	620	555
<b>ML</b>	1019	995	959	918	869	821	760
<b>MH</b>	1257	1210	1174	1125	1076	1024	959
<b>High</b>	1470	1420	1366	1312	1259	1196	1127

Speed Tap \ Static Pressure	Temperature Rise vs. External Static Pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
<b>Low</b>	81	83	85	90	90	106	119
<b>ML</b>	65	66	69	72	76	80	87
<b>MH</b>	52	55	56	59	61	64	69
<b>High</b>	45	46	48	50	52	55	59

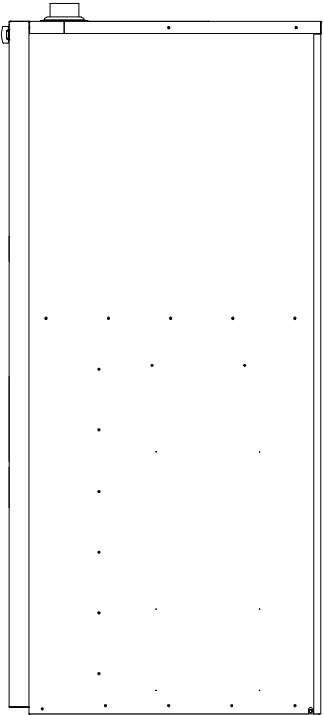
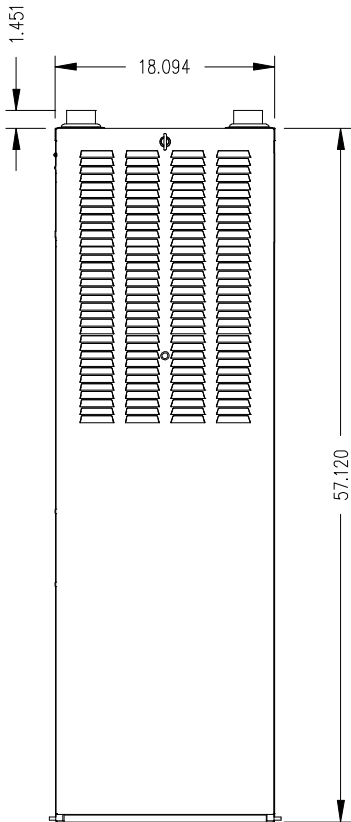
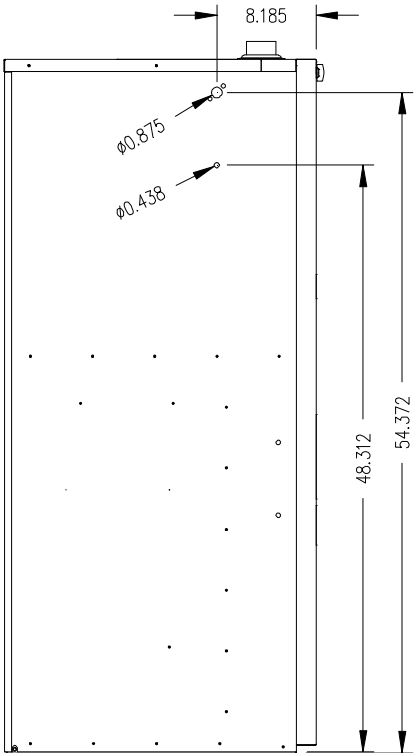
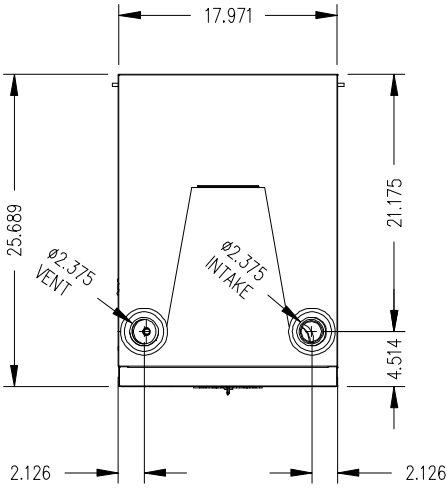
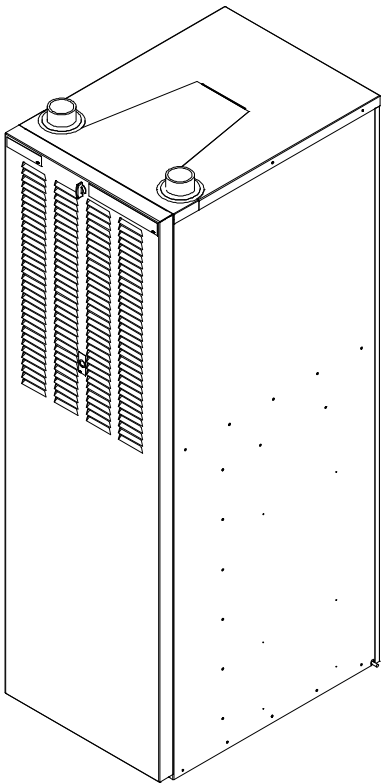
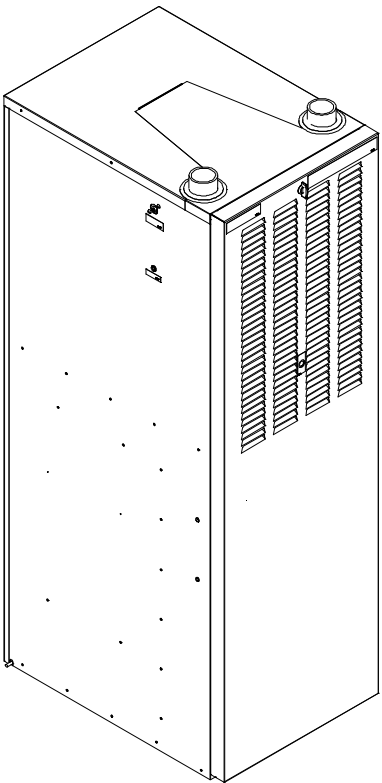
Speed Tap \ Static Pressure	Blower Motor Current Draw (Amps) vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
<b>Low</b>	3.1	3.0	2.9	2.8	2.7	2.6	2.5
<b>ML</b>	3.9	3.8	3.6	3.5	3.3	3.2	3.1
<b>MH</b>	4.8	4.6	4.4	4.2	4.1	4.0	3.8
<b>High</b>	5.7	5.5	5.4	5.2	5.1	5.0	4.8

Speed Tap \ Static Pressure	Blower Motor Watts vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
<b>Low</b>	312	303	298	291	280	273	264
<b>ML</b>	400	390	381	366	354	342	330
<b>MH</b>	513	490	478	462	447	432	413
<b>High</b>	624	605	591	573	556	542	522

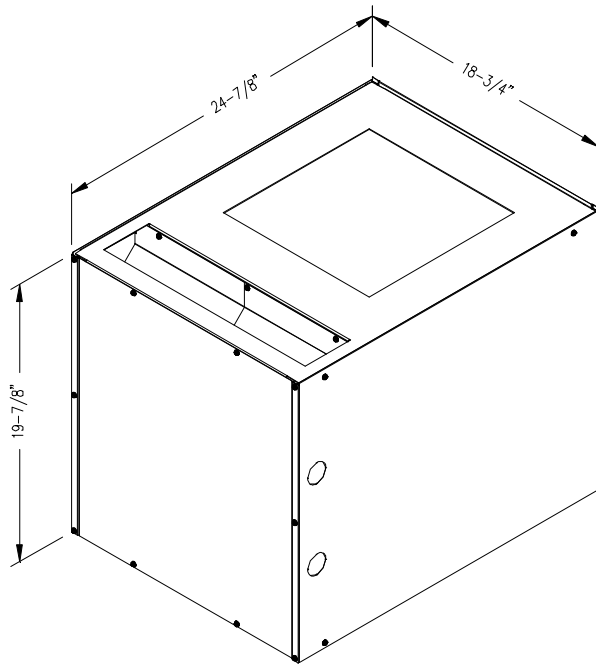
= Recommended operation range

- SEE NEXT PAGE FOR MORE DATA -

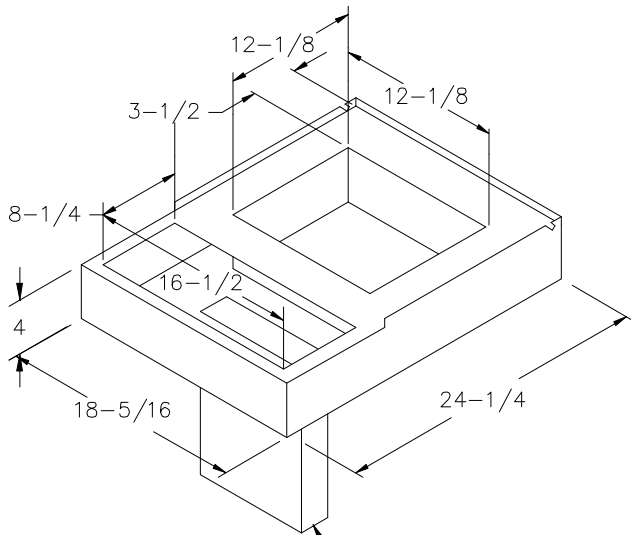
# GAS FIRED CONDENSING MOBILE HOME FURNACE SPECIFICATIONS VMA4



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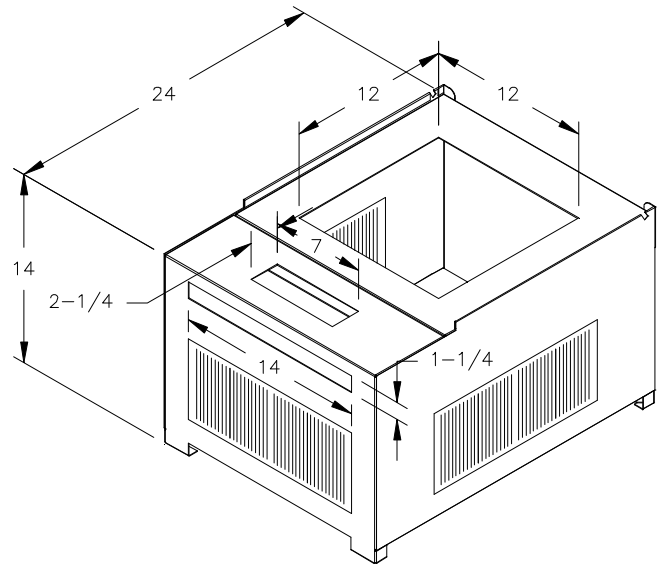


**Coil Cabinet Model: VE113S**



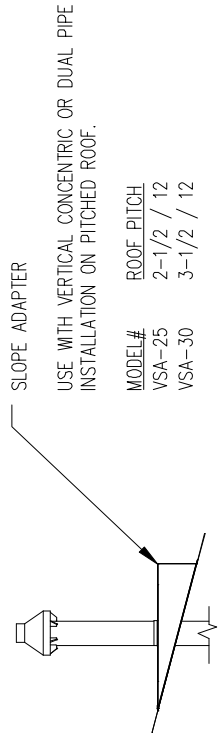
COMBUSTION AIR DUCT  
8 x 2-1/2 x 14 LONG

**Combustible Floor Base Model: V70-BASE**

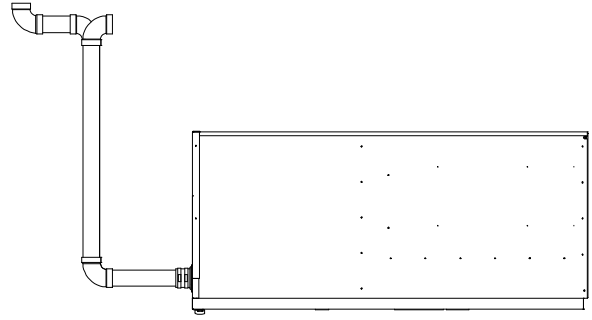
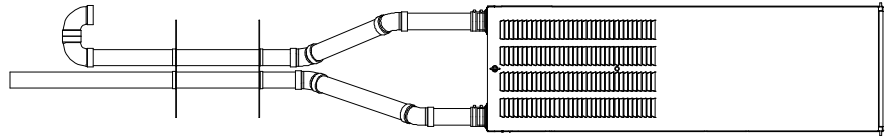
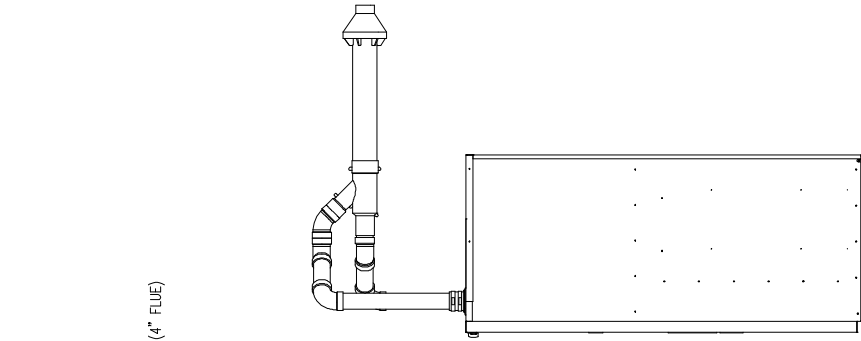
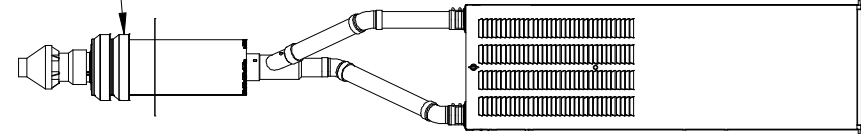
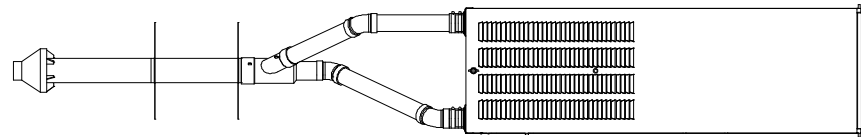


**Cottage Base Model: VCOT-BASE**

# GAS FIRED CONDENSING MOBILE HOME FURNACE SPECIFICATIONS VENT OPTIONS



MODEL#	ROOF PITCH
VSA-25	2-1/2 / 12
VSA-30	3-1/2 / 12



CONCENTRIC VENT KIT# VAOPS7483

DUAL PIPE FLASHING KIT# VAOPS7484

FIELD SUPPLIED COMPONENTS