



Product Catalog

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Oil Furnaces

Thermo Pride®

Thermo Pride Oil Furnaces

Built Tough for Lifetime Comfort™





The Comfort & Efficiency Of Thermo Pride

The Thermo Pride Story

Located in the United States, Thermo Pride has a 70-year heritage of superior workmanship, product innovation and small town work ethic. We are committed to handcrafted products and hometown values like comfort, reliability, durability, quiet operation and high efficiency. You will appreciate the peace-of-mind that comes from knowing your Thermo Pride furnace is anything but a mass-produced, low-cost compromise between quality and price.



"Peace of Mind" Lifetime Limited Warranty - Industries Best

We are so confident of our furnace quality that we stand behind our products with our "Peace of Mind" Lifetime Limited Warranty. The industries only non-prorated, automatically transferred heat exchanger warranty. Should you sell your home, the heat exchanger warranty will automatically transfer to the new owners. Thermo Pride furnaces also come standard with a "Peace of Mind" 10-year parts warranty. See warranty certificate for details.



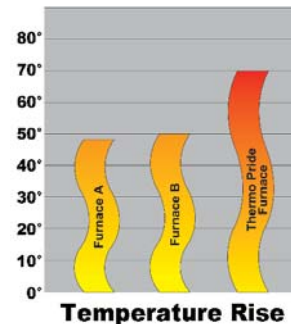
Made in the USA

We're proud that Thermo Pride furnaces are engineered and manufactured in the United States out of American steel.



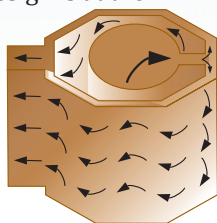
Comfort - Warmer than our Competition

"Temperature rise" makes the difference between feeling warm air or the feeling of cool air blowing across you when the furnace is on. It is the difference in temperature from the point where it enters the furnace to the point where it exits. The higher the temperature rise the warmer the air when it enters the rooms. We achieve a 60° to 70°F temperature rise across our full line of oil furnaces. This air temperature is up to 30°F warmer than the competition providing far superior comfort.



The Octatherm™ Advantage

Our furnaces are unique in that we use an Octatherm heat exchanger. The time-tested eight-sided design is at the heart of Thermo Pride's reputation for high efficiency, reliability and durability. This design forces flue gases into a high rate of agitation as they pass through the heat exchanger. This increases heat transfer and efficiency, resulting in more uniform surface heating. Our heat exchangers are fabricated of 13-gauge copper-coated steel. The copper coating helps prevent corrosion and promotes the best heat transfer.



Handcrafted High Quality

Each Thermo Pride furnace is powder-coat painted inside and out after it is formed for a durable, tough finish that will ensure long life and a quality appearance. The interlocking insulated furniture grade steel cabinet helps retain heat within the furnace and prevents annoying vibrations during operation. The rounded corners add structural strength and a pleasing appearance to the cabinet.



Features and Benefits

Chrome Plated Handles

Standard High Efficiency Flame Retention Beckett AFG Burner
Optional Beckett NX on OH6 Series

Optional Riello Burner

Peace of Mind 10-Year Parts Warranty
Lifetime Heat Exchanger Warranty Automatically Transfers to Subsequent Homeowners for Increased Resale Value of your Home

Dual Service/Clean-out Ports Placed for Easy Access on OH6, OL6, OH8

Burner & Controls Enclosed in Vestibule for Safety and Quiet Operation

Advanced High Efficiency Controls Mounted at the Front of Cabinet for Easy Setup and Access

Rounded Corners and Interlocking Cabinet Panels give added Stability and Quiet Operation

13-Gauge Octatherm Heat Exchanger Delivers Higher Efficiency

Combustion Observation Port for Easy Burner Calibration

Exclusive Copper Coated Heat Exchanger Provides Corrosion Resistance and Superior Heat Transfer

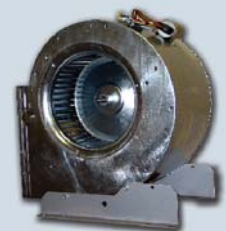
Standard Direct Drive Blower Motor

Optional ECM Motor Available for Increased Electrical Efficiency, Comfort and Operation

Save More Energy With Our Premiere Series

Premier Oil Furnace with ECM Blower Motor

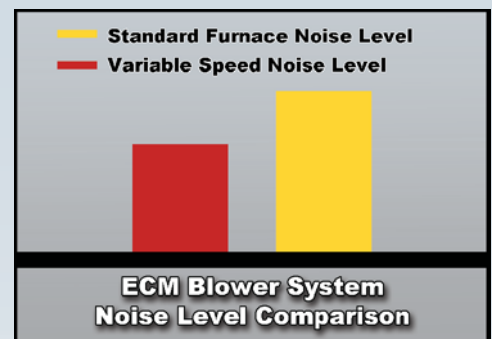
When you want to experience exceptional comfort, increased electrical efficiency and quieter operation, choose a furnace model with an ECM blower motor. The ECM motor is an ultra-high efficiency DC motor that operates more efficiently than standard direct drive motors.



ECM Blower

ECM blower benefits include:

- Save energy with the increased electrical efficiency of the ECM motor utilizing DC power, especially when you run the blower for long periods of time.
- Slow start ups and shut down equals quiet operation, greater efficiency and more comfortable temperatures.
- Automatically adjusts for various duct systems and conditions by varying its RPM.
- Operates at lower speeds in constant circulation mode for optimum air filtration, even temperatures and lower operating costs.



Specifications

MODEL NUMBER	FLUE	AFUE% ⁽¹⁾	BTU/H OUTPUT ⁽²⁾	DIMENSIONS (INCHES) W x L x H	WARM AIR OUTLET (INCHES) W x L	RETURN AIR INLET (INCHES) W x L	FLUE DIA. (IN)	MAXIMUM A/C CAPACITY STD.	UPGRADE	APPROX. SHIP WEIGHT ⁽⁸⁾
LOW PROFILE HIGHBOY - OH SERIES										
PREMIERE HIGHBOY WITH ECM BLOWER MOTOR										
OH6FA072DV4	Front	85-86.1 ⁽³⁾	60,000/72,000/90,000	20 x 30 x 45	18 x 19	23 x 14	5	4	—	280
OH6FA072DV4N	Front	85.6	71,000 (Beckett NX)	20 x 30 x 45	18 x 19	23 x 14	5	4	—	280
OH8FA119DV5	Front	85.8-86 ⁽³⁾	101,000/120,000/132,000	24-1/2 x 36-1/2 x 50-1/8	20 x 20	23 x 14	7	5	—	390
HIGHBOY WITH PSC DIRECT DRIVE BLOWER MOTOR										
OH6FA072D48	Front	85-86.1 ⁽³⁾	60,000/72,000/90,000	20 x 30 x 45	18 x 19	23 x 14	5	4	—	280
OH6FA072D48N	Front	85.6	71,000 (Beckett NX)	20 x 30 x 45	18 x 19	23 x 14	5	4	—	280
OH8FA119D60	Front	85.8-86 ⁽³⁾	101,000/120,000/132,000	24-1/2 x 36-1/2 x 50-1/8	20 x 20	23 x 14	7	5	—	390
HIGHBOY WITH 2-STAGE RIELLO BURNER & ECM BLOWER MOTOR										
OH6FX072DV4	Front	87	74,000-89,000 High	20 x 30 x 45	18 x 19	23 x 14	5	4	—	280
			61,500-72,000 Low							
LOWBOY - OL SERIES										
PREMIERE LOW PROFILE LOWBOY WITH ECM BLOWER MOTOR										
OL6FA072DV5	Front	86.5-87.0 ⁽³⁾	60,000/72,000/90,000	20 x 50 x 34-3/4	18 x 20	18 x 18	5	5	—	315
					20 x 20 ⁽⁴⁾ Optional Flange	20 x 18 ⁽⁴⁾ Optional Flange				
OL6RA072DV5	Rear	86.5-87.0 ⁽³⁾	60,000/72,000/90,000	20 x 50 x 34-3/4	18 x 20	18 x 18	5	5	—	315
					20 x 20 ⁽⁴⁾ Optional Flange	20 x 18 ⁽⁴⁾ Optional Flange				
PREMIERE LOWBOY WITH ECM BLOWER MOTOR										
OL11-105FDBE	Front	85-83 ⁽³⁾	105,000	25 x 54-1/2 x 46-1/2	20 x 20	20 x 16	6	3.5	—	500
OL11-105RDBE	Rear	85-83 ⁽³⁾	105,000	25 x 54-1/2 x 46-1/2	20 x 20	20 x 16	6	3.5	—	500
OL16-125FDBE	Front	85	125,000	27 x 58-1/2 x 46-1/2	22 x 22	22 x 18	7	5	—	560
OL16-125RDBE	Rear	85	125,000	27 x 58-1/2 x 46-1/2	22 x 22	22 x 18	7	5	—	560
OL20-151FDE	Front	85	153,000	27 x 58-1/2 x 50-1/2	22 x 22	22 x 18	7	5	—	600
OL20-151RDE	Rear	85	153,000	27 x 58-1/2 x 50-1/2	22 x 22	22 x 18	7	5	—	600
LOWBOY WITH PSC DIRECT DRIVE BLOWER MOTOR										
OL5-85FDBP	Front	85/86 ⁽³⁾	88,000/85,000 ⁽³⁾	25 x 50-1/4 x 43-1/4	20 x 20	20 x 14	6	3.5	4	410
OL5-85RDBP	Rear	85/86 ⁽³⁾	88,000/85,000 ⁽³⁾	25 x 50-1/4 x 43-1/4	20 x 20	20 x 14	6	3.5	4	410
OL6FA072D48	Front	86.5-87.0 ⁽³⁾	60,000/72,000/90,000	20 x 50 x 34-3/4	18 x 20	18 x 18	5	4	—	315
					20 x 20 ⁽⁴⁾ Optional Flange	20 x 18 ⁽⁴⁾ Optional Flange				
OL6RA072D48	Rear	86.5-87.0 ⁽³⁾	60,000/72,000/90,000	20 x 50 x 34-3/4	18 x 20	18 x 18	5	4	—	315
					20 x 20 ⁽⁴⁾ Optional Flange	20 x 18 ⁽⁴⁾ Optional Flange				
OL11-105FDBP	Front	85/83.0 ⁽³⁾	104,000/101,000 ⁽³⁾	25 x 54-1/2 x 46-1/2	20 x 20	20 x 16	6	3.5	4	500
OL11-105RDBP	Rear	85/83.0 ⁽³⁾	104,000/101,000 ⁽³⁾	25 x 54-1/2 x 46-1/2	20 x 20	20 x 16	6	3.5	4	500
OL16-125FDBP	Front	85	129,000 142,000	27 x 58-1/2 x 46-1/2	22 x 22	22 x 18	7	5	—	560
OL16-125RDBP	Rear	85	129,000 142,000	27 x 58-1/2 x 46-1/2	22 x 22	22 x 18	7	5	—	560
OL20-151FD	Front	85	153,000	27 x 58-1/2 x 50-1/2	22 x 22	22 x 18	7	5	—	600
OL20-151RD	Rear	85	153,000	27 x 58-1/2 x 50-1/2	22 x 22	22 x 18	7	5	—	600
LOWBOY BELT DRIVE BLOWER MOTOR										
OL33-200F ⁽⁵⁾	Front	81.5 ⁽⁶⁾	200,000	34 x 72 x 60-3/4	28 x 28	28 x 24	9	5	10	1025
OL33-200R ⁽⁵⁾	Rear	81.5 ⁽⁶⁾	200,000	34 x 72 x 60-3/4	28 x 28	28 x 24	9	5	10	1025
HORIZONTAL - OT SERIES										
HORIZONTAL WITH PSC DIRECT DRIVE BLOWER MOTOR										
OT11-105FBP ⁽⁷⁾	Front	83	101,000	24-1/2 x 74 x 24	20 x 20	20 x 20	6	3.5	4	445
OT11-105RBP ⁽⁷⁾	Rear	83	101,000	24-1/2 x 74 x 24	20 x 20	20 x 20	6	3.5	4	445
OT16-125FBP ⁽⁷⁾	Front	83	123,000	26 x 74 x 26	22 x 20	22 x 20	7	5	—	500
OT16-125RBP ⁽⁷⁾	Rear	83	123,000	26 x 74 x 26	22 x 20	22 x 20	7	5	—	500
COUNTERFLOW/HORIZONTAL - OD SERIES										
COUNTERFLOW / HORIZONTAL WITH PSC DIRECT DRIVE BLOWER MOTOR										
OD6RA072D48	Rear	85.7	60,000/72,000/90,000	20 x 30 x 45	18 x 20	18 x 19	5	4	—	250
OD6FA072D48	Front	85.7	60,000/72,000/90,000	20 x 30 x 45	18 x 20	18 x 19	5	4	—	250
COUNTERFLOW / HORIZONTAL WITH ECM BLOWER MOTOR										
OD6RA072DV5	Rear	85.7	60,000/72,000/90,000	20 x 30 x 45	18 x 20	18 x 19	5	5	—	250
OD6FA072DV5	Front	85.7	60,000/72,000/90,000	20 x 30 x 45	18 x 20	18 x 19	5	5	—	250

- Seasonal efficiency (Annual Fuel Utilization Efficiency)
- BTU output based on Annual Fuel Efficiency Rated by manufacturer.
- The second figure represents ratings with Riello burner option.
- Optional flange size included with furnace.
- Shipped knocked down.
- Certified thermal efficiency.
- These models have exposed burners. **T-units not approved for attic installation.**
- Shipping weights include the burner. Weights are approximate.



Many of our oil furnaces are Energy Star qualified. Go to www.energystar.gov for qualifying unit details.



Scan this code with your smart phone to visit our website.
www.thermopride.com

Visit us at www.thermopride.com

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OIL FIRED LOWBOY FURNACE SPECIFICATIONS

MODEL SERIES	OL6		OL5-85		OL11-105		OL16-125		OL20-151		OL33-200 ¹		
BTU OUTPUT													
BECKETT AFG	60,000-89,000		88,000		104,000		129,000 -142,000		153,000		200,000		
RIELLO	60,000-89,000		85,000		101,000		129,000 -142,000		153,000				
HEIGHT OF CASING	34 3/4"		43 1/4"		46 1/2"		46 1/2"		50 1/2"		60 3/4"		
WIDTH OF CASING	20"		25"		25"		27"		27"		34"		
DEPTH OF CASING	50"		50 1/4"		54 1/2"		58 1/2"		58 1/2"		72"		
WARM AIR OUTLET (WxD in inches)	18x20 (20x20) ²		20x20		20x20		22x22		22x22		28x28		
RETURN AIR INLET (WxD in inches)	18x18 (20x18) ²		20x14		20x16		22x18		22x18		28x24		
DIAMETER OF FLUE	5"		6"		6"		7"		7"		9"		
FLOOR TO CENTER OF FLUE	27.75"		36"		38 1/2"		40"		44"		51 3/4"		
STANDARD BLOWER MOTOR	1/2 HP- 5 speed		1/2 HP- 4 speed		1/2 HP-4-speed		3/4 HP-4 speed		3/4 HP-4 speed		1/2 HP belt drive		
OPTIONAL ECM BLOWER MTR	1 HP		1/2 HP		1/2 HP		3/4 HP		1 HP		n/a		
CFM @ 0.2 & 0.5 W.C.	0.2	0.5	0.2	0.5	0.2	0.5	0.2	0.5	0.2	0.5	0.2	0.5	
BELT DRIVE												2315	1920
STANDARD D.D. PSC	HI SPEED	1670	1566	1726	1493	1728	1506	2239	1962	2177	1885		
	MH SPEED	1270	1239	1320	1213	1353	1249	1799	1606	1699	1516		
	ML SPEED	1113	1091	1066	983	1060	988	1477	1346	1390	1269		
	LO SPEED	902	883	848	764	845	759	1178	1077	1117	1019		
	LOW SPEED	712	667										
A/C CAPACITY													
	BELT³											10 ton	
	D.D. PSC	4 ton		3 1/2 ton		3 1/2 ton		5 ton		5 ton			
	D.D. PSC UPGRADE											4 ton	
	D.D. ECM	5 ton		3.5 ton		3.5 ton		5-ton		5-ton			
BECKETT	NOZZLE SIZE GPH	.50 .60 .75		0.75		0.90		1.10 1.25		1.35		1.75	
	SPRAY ANGLE/PATTERN	80° A		80° A		80° A		80° A		80° A		80° B	
	PUMP PRESSURE	120 PSI		100 PSI		100 PSI		100 PSI		100 PSI		100 PSI	
RIELLO	NOZZLE SIZE	.50 .60 .70		0.6		0.75		0.9		1.1			
	SPRAY ANGLE/PATTERN	80° A		60° A		60° A		60° A		60° A			
	PUMP PRESSURE	140 PSI		145 PSI		145 PSI		145 PS1		150 PSI			
SHIPPING WEIGHT	315 LBS.		410 LBS		500 LBS.		560 LBS.		600 LBS		1025 LBS		
SEASONAL AFUE BECKETT⁴	86.5%		85.0%		85.0%		85.0%		85.0%		81.50%		
SEASONAL AFUE RIELLO	87.0%		86.0%		83.0%								

1)These models shipped knocked down

2) Alternate plenum flanges supplied with furnace, must be installed for 20" width

3)See full product specs or call Thermo Pride Tech Service for correct motor HP and pulley ratio for AC applications

4)Units above 200,000 BTU input have a Thermal Efficiency Rating rather than AFUE

All models on Chart are UL Listed

All specifications subject to change without notice

(Over mor more specs)

OIL FIRED FURNACE SPECIFICATIONS

		HIGHBOY			DRIZ/COUNTERFLO		HORIZONTAL				
MODEL SERIES		OH6	OH6 2-STAGE	OH8	OD6		OT11-105 ¹		OT16-125 ¹		
BTU OUTPUT (BTUH)											
BECKETT AFG		60,000-89,000		101,000-132,000	60,000-89,000		101,000		123,000/134,550		
BECKETT NX		60,000-90,000									
RIELLO		60,000-90,000		101,000-132,000	60,000-89,000		101,000		123,000		
RIELLO 2-STAGE	1 ST STG		61,500 / 74,000								
	2 ND STG		72,000 / 89,000								
HEIGHT OF CASING		45"	45"	50 1/8"	45"		24"		26"		
WIDTH OF CASING		20"	20"	24 1/2"	20"		74"		74"		
DEPTH OF CASING		30"	30"	36 1/2"	30"		24 1/2"		26"		
WARM AIR OUTLET (WxD IN INCHES)		18"x19"	18"x19"	20"x20"	18"x20"		20"x20"		22"x20"		
RETURN AIR INLET (WxD IN INCHES)		23"x14"	23"x14"	23"x14"	18"x19"		20"x20"		22"x20"		
FILTER RACK FLANGE DIMENSIONS		24.5" x 15"	24.5" x 15"	23.75" x 19"							
NOMINAL FLUE OUTLET DIAMETER		5"	5"	7"	5"		6"		7"		
STANDARD PSC BLOWER MOTOR		1/2 HP 4-speed		3/4 HP 4-speed	1/2 HP 5-speed		1/2 HP 4-speed		3/4 HP 4-speed		
ECM BLOWER MOTOR		3/4 HP		3/4 HP	1 HP		1 HP		n/a		
CFM @ 0.2 & 0.5 W.C.		0.2"	0.5"	0.2"	0.5"	0.2"	0.5"	0.2"	0.5"	0.2"	0.5"
STANDARD D.D. PSC	HI SPEED	1762	1569	2243	2099	1789	1640	1596	1408	2237	2062
	MH SPEED	1432	1334	1731	1415	1357	1280	1329	1162	2020	1897
	ML SPEED	1152	1085	1464	1686	1219	1150	1069	940	1877	1789
	LO SPEED	915	822	1254	1221	1011	953	863	742	NOT RECOMMENDED	
	LOW SPEED					792	692				
A/C CAPACITY											
D.D. PSC		4-ton		5-ton	4-ton		3 1/2-ton		5-ton		
D.D. PSC UPGRADE							4-ton				
D.D. ECM		4-ton	4-ton	5-ton	5-ton						
BECKETT AFG NOZZLE SIZE GPH		.50 .60 .75		.85 1.00 1.10	.50 .60 .75		0.90		1.10 1.25		
SPRAY ANGLE/PATTERN		80° A		80° A	80° A		80° A		80° A		
PUMP PRESSURE		120 PSI		120 PSI	120 PSI		100 PSI		100 PSI		
BECKETT NX NOZZLE SIZE GPH		.40-.60									
SPRAY ANGLE/PATTERN		70° A									
PUMP PRESSURE		150 PSI									
RIELLO NOZZLE SIZE		.50 .60 .70		.50 / .70	.75 .85 1.00		.50 .60 .70		0.75		0.90
SPRAY ANGLE/PATTERN		80° A		45° W	80° A		80° A		60° A		60° A
PUMP PRESSURE (PSI)		140		1 ST STG-130 2 ND STG-170	140		140		145		145
SHIPPING WEIGHT		280 LBS		280 LBS	390 LBS		250 LBS		445 LBS		500 LBS
SEASONAL AFUE BECKETT AFG		85.0%			85.8%		85.7%		83.0%		83.0%
SEASONAL AFUE BECKETT NX		85.6%									
SEASONAL AFUE RIELLO		86.1%		87.0%	86.0%		85.7%		83.0%		83.0%

1)Not approved for attic use, units have exposed burners
 All models in chart are UL listed
 All specifications subject to change without notice



OIL FIRED UPFLOW FURNACE SPECIFICATIONS

MODEL NO.	OH6FA072D48 / DV4 B			OH6FA072D48 / DV4 R			OH6FA072D48 / DV4 N			OH6FA072D48 / DV4 C		
HEATING CAPACITY	High Fire	Med Fire	Low Fire	High Fire	Med Fire	Low Fire	High Fire	Med Fire	Low Fire	High Fire	Med Fire	Low Fire
HEAT INPUT RATE (BTUH)	106,250	85,000	70,000	106,250	85,000	70,000	106,250	85,000	70,000	106,250	85,000	70,000
OUTPUT BTUH ¹	89,000	72,000	60,000	90,000	73,000	60,000	90,000	71,000	60,000	90,000	71,000	60,000
SEASONAL EFFICIENCY ²	85.0%			86.1%			85.6%			85.0%		
LARGEST REC A/C ³	4 Tons			4 Tons			4 Tons			4 Tons		
NOMINAL TEMP RISE	66°	66°	66°	66°	66°	66°	66°	66°	66°	66°	66°	66°
HEAT EXCHANGER AREA												
CASING HEIGHT (IN.):	45"			45"			45"			45"		
CASING WIDTH (IN.):	20"			20"			20"			20"		
CASING DEPTH (IN.):	30"			30"			30"			30"		
NOMINAL FLUE OUTLET DIA.	5"			5"			5"			5"		
APPROX SHIPPING WEIGHT LBS	250			250			250			250		
APPROVAL STANDARDS	UL727 CAN/CSA B140.4			UL727 CAN/CSA B140.4			UL727 CAN/CSA B140.4			UL727 CAN/CSA B140.4		
QTY AND SIZE OF PERMANENT FILTERS	(1) 24 3/4" X 15 3/4"			(1) 24 3/4" X 15 3/4"			(1) 24 3/4" X 15 3/4"			(1) 24 3/4" X 15 3/4"		
ELECTRICAL REQUIREMENTS VAC/HZ/PH	120/60/1			120/60/1			120/60/1			120/60/1		
MAX FUSE SIZE (AMPS) PSC/ECM	15 / 15			15 / 15			15 / 15			15 / 15		
TOTAL CURRENT (AMPS) PSC/ECM	8.7 / 12.1			8.7 / 12.1			8.7 / 12.1			8.7 / 12.1		
HEIGHT FROM FLOOR TO CENTER OF FLUE	40 3/4"			40 3/4"			40 3/4"			40 3/4"		
SUPPLY AIR OUTLET SIZE (W-IN. X D-IN.)	18" X 19" (20" X 20") ⁵			18" X 19" (20" X 20") ⁵			18" X 19" (20" X 20") ⁵			18" X 19" (20" X 20") ⁵		
RETURN AIR DUCTWORK CONNECTION FLANGE SIZE ON FILTER RACK (D-IN. X H-IN.)	24 1/2" X 15"			24 1/2" X 15"			24 1/2" X 15"			24 1/2" X 15"		
RETURN AIR INLET OPENING SIZE IN SIDE CASING (TO BE CUTOUT BY DEALER) (D-IN. X H-IN.)	23" X 14"			23" X 14"			23" X 14"			23" X 14"		
ACCESSORY ITEMS												
2-LINE SYSTEM KIT FOR RIELLO	N/A			380705			N/A			N/A		
FIELD VENT TERMINATION KIT ⁵	AOPS8393			AOPS8393			AOPS8393			N/A		
SIWALL VENT ACCESSORIES KIT ⁶	AOPS8394			AOPS8395			AOPS8412			N/A		
COMBUSTION AIR KIT	AOPS8397			AOPS8416			AOPS8413			N/A		
BLOCKED VENT KIT ⁴	AOPS2686			AOPS2686			AOPS2686			AOPS2686		

¹ OUTPUT BTUH BASED ON ANNUAL FUEL UTILIZATION EFFICIENCY RATED BY MANUFACTURER.

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

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

⁴ NOT TO BE USED IN SIWALL VENT APPLICATIONS, USE ONLY WHEN CHIMNEY VENTED.

⁵ PLENUM ADAPTERS INCLUDED WITH UNIT MUST BE INSTALLED FOR 20"x20" PLENUM.

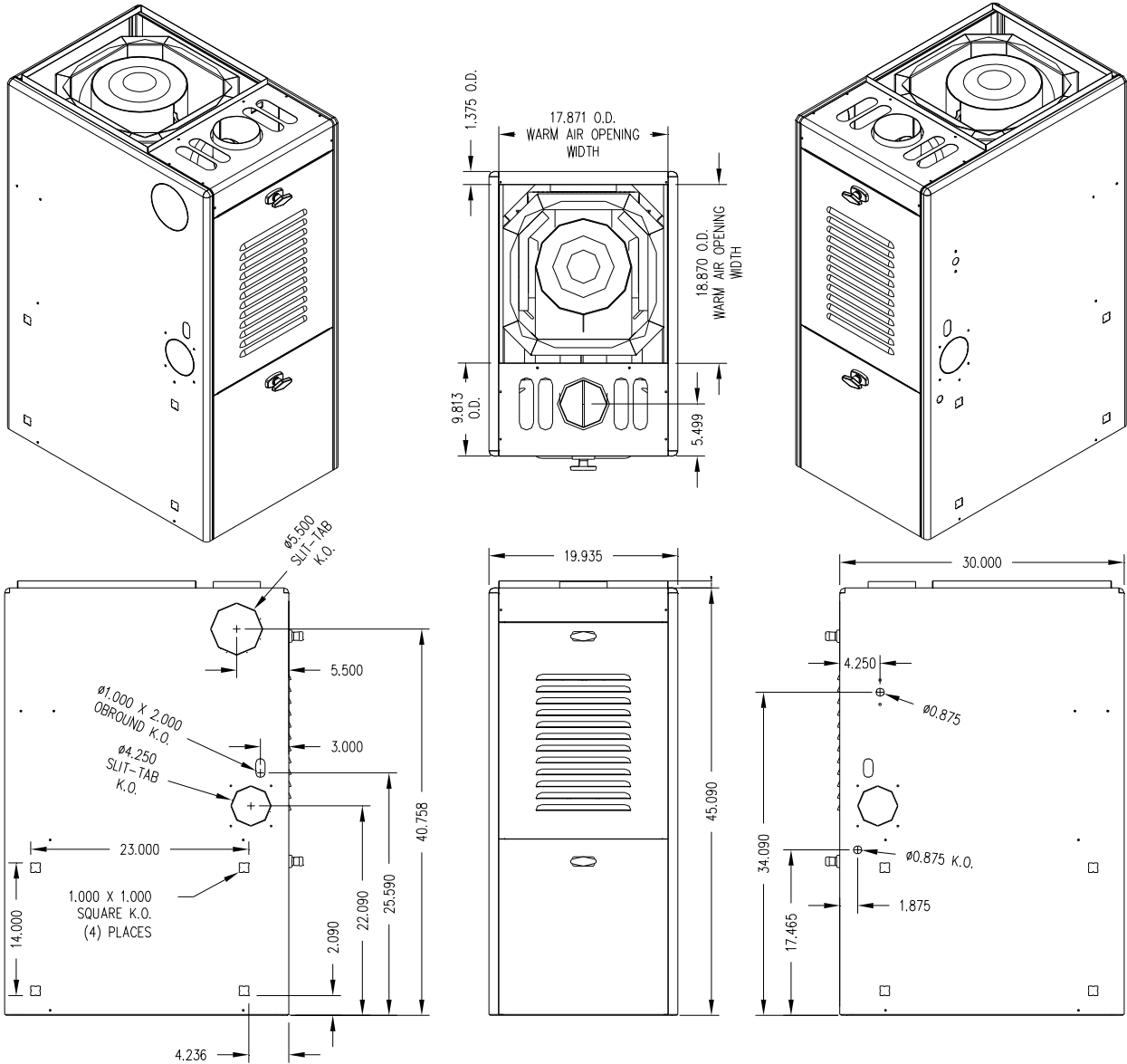
⁶ NOT TO BE USED WITH CARLIN BURNER.

- SEE NEXT PAGE FOR MORE DATA -

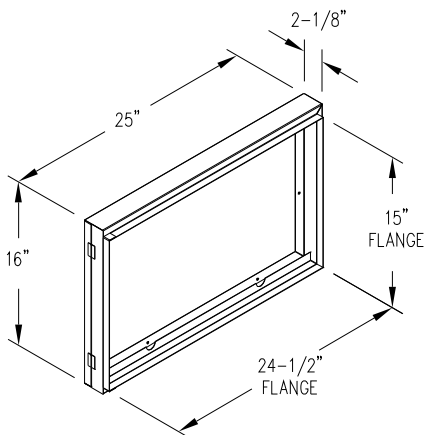
Model Number Digit	1	2	3	4	5	6	7	8	9	10	11	12
	Fuel	Configuration	Heat Exchanger Identifier	Flue	Design Change	Capacity	Capacity	Capacity	Blower Type	Clg Airflow Cap.	Clg Airflow Cap.	Burner
Oil Furnace Model Nomenclature Example Model Numbers	O	H	6	F	A	0	7	2	D	4	8	B
	O	H	6	F	A	0	7	2	D	V	4	R
O = Oil	O											
H = Highboy		H										
6 = Heat Exchanger Size Identifier			6									
F = Front				F								
Design Change					A							
Heating Capacity MBTUH (000's) with factory installed nozzle						0	7	2				
D = Direct Drive									D			
Clg. Airflow: Example = 48MBTUH = 4 tons @ 400cfm/ton										4	8	
Clg. Airflow Variable Speed (ECM) V4= 4tons										V	4	
B = Beckett, R = Riello, N = Beckett NX, C = Carlin												B

- SEE NEXT PAGE FOR MORE DATA -

OIL FIRED UPFLOW FURNACE SPECIFICATIONS



FILTER RACK SPECIFICATIONS



CLEARANCES	
	MINIMUM CLEARANCES TO COMUSTIBLE MATERIALS:
SIDES	0"
FRONT (SERVICE ACCESS)	(Clearance to Combustibles) 6"/ 24" (Service)
REAR	0"
FLUE	7"
TOP PLENUM	1"
SIDES PLENUM	1"

- SEE NEXT PAGE FOR MORE DATA -

OIL FIRED UPFLOW FURNACE SPECIFICATIONS

BLOWER DATA:	OH6FA072D48	OH6FA072DV4
BLOWER MODEL DIRECT DRIVE	DD 100-9R	DD 100-9R
MOTOR H.P.	½ HP	¾ HP Variable Speed
MOTOR TYPE & NUMBER OF SPEEDS	PSC - 4	ECM -
HIGH SPEED AIRFLOW (SCFM) @ 0.5 IN. W.G. EXTERNAL STATIC PRESSURE:	1569	1600
Diameter x Width (IN.)	10 x 9	10 x 9

BURNER DATA	RIELLO "BF3" WITH CERA-FELT SLEEVE		
AIR TUBE LENGTH (IN.)	4 ½"		
BURNER HEAD TYPE:	Fixed		
FUEL TYPE:	#2		
NOZZLE RATING (GPH):	.70	.60	.50
SPRAY ANGLE (DEG.):	80°	80°	80°
SPRAY PATTERN:	HOLLOW (A)	HOLLOW (A)	HOLLOW (A)
OIL PUMP PRESSURE (PSIG):	140 PSI		
COMBUSTION CHAMBER TYPE:	REFRACTORY (SOFT CHAMBER)		

BURNER DATA	BECKETT "AFG" S - PLATE 3912 (3 5/8") 31517 CERAMIC		
AIR TUBE LENGTH (IN.)	4 ½"		
BURNER HEAD TYPE:	F-3		
FUEL TYPE:	#2		
NOZZLE RATING (GPH):	.75	.60	.50
SPRAY ANGLE (DEG.):	80°	80°	80°
SPRAY PATTERN:	HOLLOW (A)	HOLLOW (A)	HOLLOW (A)
OIL PUMP PRESSURE (PSIG):	120 PSI		
COMBUSTION CHAMBER TYPE:	REFRACTORY (SOFT CHAMBER)		

BURNER DATA	BECKETT "NX" w/ NX50LGHS TUBE COMBINATION		
AIR TUBE LENGTH (IN.)	4 ½"		
BURNER HEAD TYPE:	FIXED		
FUEL TYPE:	#2		
NOZZLE RATING (GPH):	.60	.50	.40
SPRAY ANGLE (DEG.):	70°	70°	70°
SPRAY PATTERN:	HOLLOW (A)	HOLLOW (A)	HOLLOW (A)
OIL PUMP PRESSURE (PSIG):	150 PSI		
COMBUSTION CHAMBER TYPE:	REFRACTORY (SOFT CHAMBER)		

BURNER DATA	CARLIN "EZ-1HP"		
AIR TUBE LENGTH (IN.)	4 ½"		
BURNER HEAD TYPE:	N/A		
FUEL TYPE:	#2		
NOZZLE RATING (GPH):	.75	.60	.50
SPRAY ANGLE (DEG.):	60°	60°	60°
SPRAY PATTERN:	HOLLOW (A)	HOLLOW (A)	HOLLOW (A)
OIL PUMP PRESSURE (PSIG):	120 PSI		
COMBUSTION CHAMBER TYPE:	REFRACTORY (SOFT CHAMBER)		

- SEE NEXT PAGE FOR MORE DATA -

OIL FIRED UPFLOW FURNACE SPECIFICATIONS

OH6FA072D48

ALTERATIONS REQ'D FOR A/C @ DESIGN EXTERNAL STATIC PRESSURE				
COOLING UNIT	HTG Speed by Input			Recommended CLG Speed
	Low Fire	Mid Fire	High Fire	
24,000	Low	ML	MH	Low
30,000	Low	ML	MH	Med Low
36,000	Low	ML	MH	Med High
42,000	Low	ML	MH	Med High
48,000	Low	ML	MH	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	930	915	912	910	822	774	730
ML	1155	1152	1130	1126	1085	1042	920
MH	1442	1432	1418	1382	1334	1293	1230
High	1802	1762	1705	1635	1569	1493	1428
Blower Motor Current Draw (Amps) vs. External Static pressure (in. WC.)							
Low	3.28	3.1	3.02	2.91	2.64	2.49	2.36
ML	4.18	4.02	3.91	3.74	3.59	3.34	2.95
MH	5.44	5.17	4.95	4.72	4.43	4.21	3.95
High	6.61	6.36	6.04	5.73	5.46	5.17	4.9

Speed Tap\ Static Pressure	High Fire Temperature Rise vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	90	91	91	92	101	108	114
ML	72	72	74	74	77	80	91
MH	58	58	59	60	62	64	68
High	46	47	49	51	53	56	58

Speed Tap\ Static Pressure	Mid Fire Temperature Rise vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	72	73	73	73	81	86	91
ML	58	58	59	59	61	64	72
MH	46	47	47	48	50	52	54
High	37	38	39	41	42	45	47

Speed Tap\ Static Pressure	Low Fire Temperature Rise vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	60	61	61	61	68	72	76
ML	48	48	49	49	51	53	60
MH	39	39	39	40	42	43	45
High	31	32	33	34	35	37	39

- SEE NEXT PAGE FOR MORE DATA -

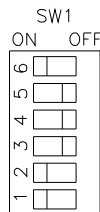
OIL FIRED UPFLOW FURNACE SPECIFICATIONS

OH6FA072DV4

Heating Speed Set-ups

	BTUH	Low Fire	Med Fire	High Fire	Static Pressure (Amps/Watts)	
		60,000	72,000	90,000		
Fan Control SW 1 Switch Settings	Heating CFM	Aprox. Rise (F°)	Aprox. Rise (F°)	Aprox. Rise (F°)	0.2	0.5
3-OFF 2-OFF 1-OFF	740	75°			1.1/98	1.8/173
3-OFF 2-OFF 1-ON	812	68°	82°		1.3/114	2.1/193
3-OFF 2-ON 1-OFF	883	63°	76°		1.5/129	2.4/218
Factory SW1 Switch Settings						
3-OFF 2-ON 1-ON	968	57°	69°	86°	1.7/148	2.4/223
3-ON 2-OFF 1-OFF	1054		63°	79°	1.9/173	2.7/246
3-ON 2-OFF 1-ON	1153		58°	72°	2.3/207	3.0/283
3-ON 2-ON 1-OFF	1267			66°	2.7/247	3.5/332
3-ON 2-ON 1-ON	1424			58°	3.4/315	4.3/409

= Recommended Heating Speed Setting



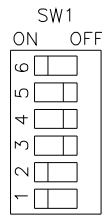
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OIL FIRED UPFLOW FURNACE SPECIFICATIONS

OH6FA072DV4

Cooling Speed Set-ups

		Air Flow		Static Pressure (Amps/Watts)	
Fan Control SW 1 Switch Settings	Clg. Tonage	Cool	Continuous	0.2	0.5
6-OFF 5-OFF 4-OFF	2	799	500	1.2/109	2.1/186
6-OFF 5-OFF 4-ON	2.5	1017	508	1.8/160	2.5/230
6-OFF 5-ON 4-OFF	3	1210	605	2.4/220	3.3/308
6-OFF 5-ON 4-ON	3.5	1404	702	3.2/305	4.2/409
Factory SW1 Switch Settings 6-ON 5-OFF 4-OFF	4	1622	799	4.6/443	5.7/560



- SEE NEXT PAGE FOR MORE DATA -

A/C Evaporator Coil Applications

Furnace Model Number	AC Tonnage	Line Set	Cond. Model Number	Coil Model Number	Capacity	EER	SEER	AHRI Reference Number
OH6FA072D48 OH6FA072DV4	2	LS01E-30	TC4B2421H	HE33636PA212	23000	12.20	14.00	9136135
				HE47636PA212	23000	12.20	14.50	9136136
		LS01E-50	TC7B2421S	HE33636PA212	23600	12.50	15.00	9136145
				HE47636PA212	23600	13.00	16.00	9136146
	2.5	LS01E-30	TC4B3021H	HE33636PA212	29400	11.70	14.00	9136137
				HE47636PA212	29400	12.20	14.50	9136138
		LS01E-50	TC7B3021S	HE33636PA212	28000	12.50	15.00	9136147
				HE47636PA212	28400	13.00	16.00	9136148
	3	LS01E-30	TC4B3621H	HE33636PA212	34400	11.70	14.00	9136139
				HE47636PA212	34600	12.20	14.50	9136140
		LS01E-50	TC7B3621S	HE33636PA212	34800	12.20	15.00	9136149
				HE47636PA212	36000	13.00	16.00	9136150
	3.5	LS02E-30	TC7B4221S	-	-	-	-	-
				HE50660PA212	41500	13.00	16.00	9136152
	4	LS02E-30	TC4B4821H	-	-	-	-	-
				HE50660PA212	47500	12.20	14.50	9136144
LS02E-50		TC7B4821S	-	-	-	-	-	
			HE50660PA212	45500	12.50	15.00	9136154	



OIL FIRED UPFLOW FURNACE SPECIFICATIONS

MODEL NO.	OH6FX072DV4R			
HEATING CAPACITY	LOW CAPACITY		HIGH CAPACITY	
	Low Fire	High Fire	Low Fire	High Fire
HEAT INPUT RATE (BTUH)	70,000	85,000	85,000	106,250
OUTPUT BTUH ¹	61,500	72,000	74,000	89,000
SEASONAL EFFICIENCY ²	87.0		86.4	
LARGEST REC A/C ³	4 tons		4 tons	
NOMINAL TEMP RISE	66°	66°	66°	66°
HEAT EXCHANGE AREA				
CASING HEIGHT (IN.):	45"			
CASING WIDTH (IN.):	20"			
CASING DEPTH (IN.):	30"			
NOMINAL FLUE OUTLET DIA.	5"			
APPROX SHIPPING WEIGHT	250 lbs.			
APPROVAL AGENCY	U.L.			
QTY AND SIZE OF PERMANENT FILTERS	(1) 24-3/4" x 15-3/4"			
ELECTRICAL REQUIREMENTS	120 / 60 / 1			
MAX FUSE SIZE ECM	15			
TOTAL CURRENT (AMPS) ECM	12.1			
HEIGHT FROM FLOOR TO CENTER OF FLUE (FRONT FLUE) (REAR FLUE)	40 3/4"			
SUPPLY AIR OUTLET SIZE (W-IN. X D-IN.)	18" x 19" (20" X 20") ⁵			
RETURN AIR DUCTWORK CONNECTION FLANGE SIZE ON FILTER RACK (D-IN. X H-IN.)	24-1/2" x 15"			
RETURN AIR INLET OPENING SIZE IN SIDE CASING TO BE CUT-OUT BY DEALER (D-IN. X H-IN.)	23" X 14"			
	ACCESSORY ITEMS			
BLOCKED VENT KIT ⁴	AOPS2686			

- SEE NEXT PAGE FOR MORE DATA -

¹ OUTPUT BTUH BASED ON ANNUAL FUEL UTILIZATION EFFICIENCY RATED BY MANUFACTURER.

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

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

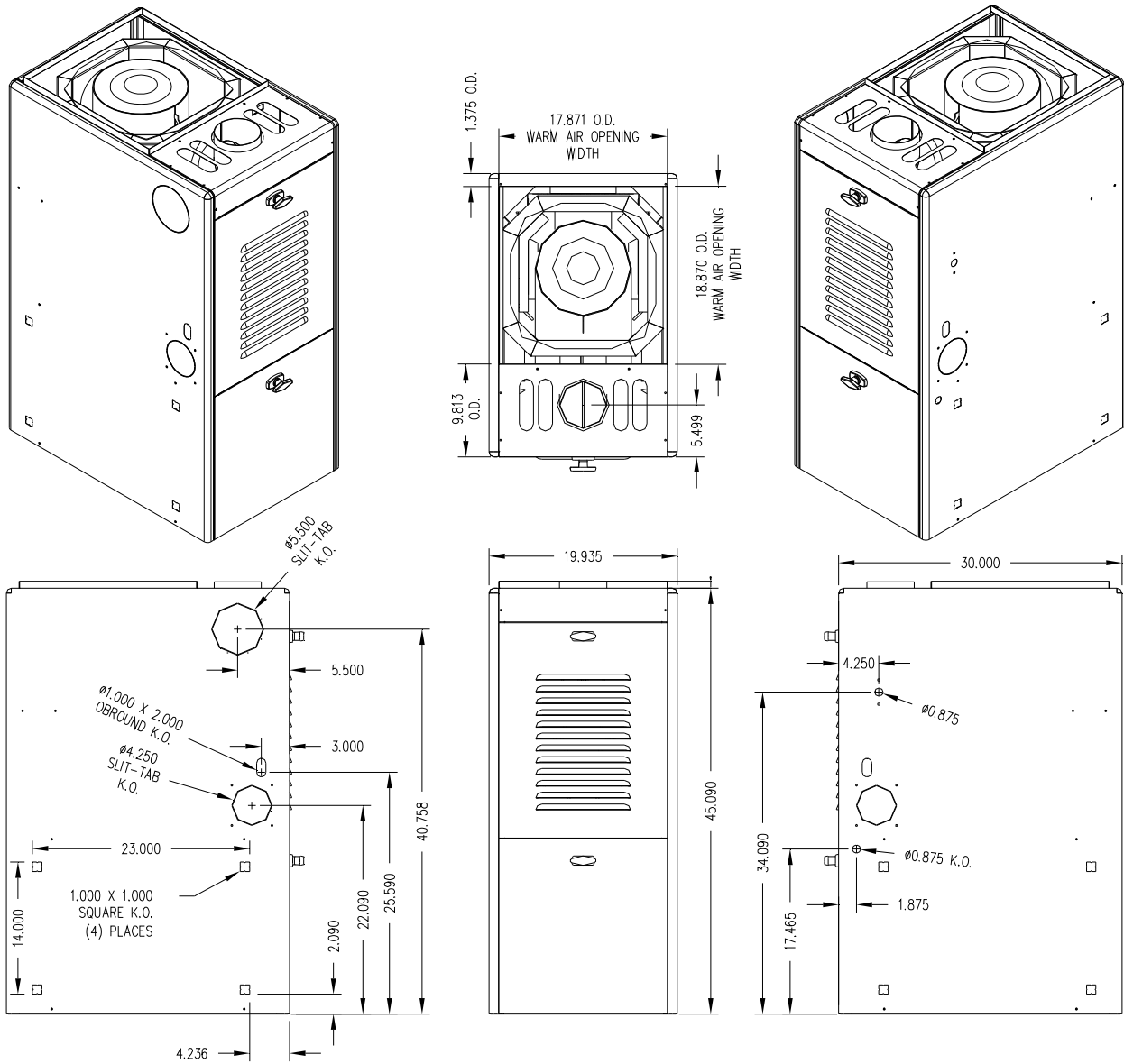
⁴ NOT TO BE USED IN SIDEWALL VENT APPLICATION, USE ONLY WHEN CHIMNEY VENTED.

⁵ PLENUM ADAPTERS INCLUDED WITH UNIT MUST BE INSTALLED FOR 20"X20" PLENUM.

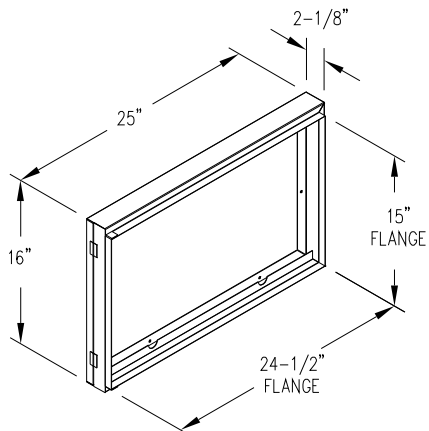
Model Number Digit	1	2	3	4	5	6	7	8	9	10	11	12
	Fuel	Configuration	Heat Exchanger Identifier	Flue	Design Change	Capacity	Capacity	Capacity	Blower Type	Cig Airflow Cap.	Cig Airflow Cap.	Burner
Oil Furnace Model Nomenclature Example Model Numbers	O	H	6	F	X	0	7	2	D	V	4	R
O = Oil	O											
H = Highboy		H										
6 = Heat Exchanger Size Identifier			6									
F = Front				F								
X= 2 Stage					X							
Heating Capacity MBTUH (000's) with factory installed nozzle						0	7	2				
D = Direct Drive									D			
Cig. Airflow Variable Speed (ECM) V4= 4tons										V	4	
R = Riello												R

- SEE NEXT PAGE FOR MORE DATA -

OIL FIRED UPFLOW FURNACE SPECIFICATIONS



FILTER RACK SPECIFICATIONS



- SEE NEXT PAGE FOR MORE DATA -

OIL FIRED UPFLOW FURNACE SPECIFICATIONS

BLOWER DATA:	OH6FX072DV4
BLOWER MODEL¹	DD 100-9R
MOTOR H.P.	¾ HP Variable Speed
MOTOR TYPE	ECM
HIGH SPEED AIRFLOW (SCFM) @ 0.5 IN. W.G. EXTERNAL STATIC PRESSURE:	1600
Diameter x Width	10 x 9

BURNER DATA	RIELLO "G5D"	
AIR TUBE LENGTH (IN.)	4 ¼"	
BURNER HEAD TYPE:	Fixed	
FUEL TYPE:	#2	
NOZZLE RATING (GPH):	70-45° W	50-45° W
SPRAY ANGLE (DEG.):	45°	45°
SPRAY PATTERN:	W	W
OIL PUMP PRESSURE (PSIG):	130 / 170	130 / 170
COMBUSTION CHAMBER TYPE:	REFRACTORY (SOFT CHAMBER)	

CLEARANCES	
	MINIMUM CLEARANCES TO COMUSTIBLE MATERIALS:
SIDES	0"
FRONT (SERVICE ACCESS)	(Clearance to Combustibles) 6" / 24" (Service)
REAR	0"
FLUE	7"
TOP PLENUM	1"
SIDES PLENUM	1"

¹ DD = DIRECT DRIVE

- SEE NEXT PAGE FOR MORE DATA -

OIL FIRED DOWNFLOW FURNACE SPECIFICATIONS

HEATING AIR FLOW / TEMPERATURE RISE

		LOW CAPACITY		HIGH CAPACITY	
FAN CONTROL SW 1 SWITCH SETTINGS	BTUH	LOW FIRE 60,000	HI FIRE 72,000	LOW FIRE 72,000	HI FIRE 90,000
	HEATING CFM	APPROX. CFM/RISE (°F)	APPROX. CFM/RISE (°F)	APPROX. CFM/RISE (°F)	APPROX. CFM/RISE (°F)
3 - OFF 2 - OFF 1 - OFF	740	592 / 94°	740 / 90°	592 / 113°	740 / 113°
3 - OFF 2 - OFF 1 - ON	812	650 / 85°	812 / 82°	650 / 103°	812 / 103°
3 - OFF 2 - ON 1 - OFF	883	706 / 79°	883 / 75°	706 / 94°	883 / 94°
3 - OFF 2 - ON 1 - ON	968	744 / 72°	968 / 69°	774 / 86°	968 / 86°
3 - ON 2 - OFF 1 - OFF	1054	843 / 66°	1054 / 63°	843 / 79°	1054 / 79°
3 - ON 2 - OFF 1 - ON	1153	922 / 60°	1153 / 58°	922 / 72°	1153 / 72°
FACTORY SW1 SWITCH SETTINGS 3 - ON 2 - ON 1 - OFF	1267	1013 / 55°	1267 / 53°	1013 / 66°	1267 / 66°
3 - ON 2 - ON 1 - ON	1424	1139 / 49°	1424 / 47°	1139 / 59°	1424 / 59°

= Recommended heating speed setting

Cooling Speed set-ups

Fan Control SW 1 Switch Settings	Air Flow		
	Clg. Tonage	Cool	Continuous
6-OFF 5-OFF 4-OFF	2	799	500
6-OFF 5-OFF 4-ON	2.5	1017	508
6-OFF 5-ON 4-OFF	3	1210	605
6-OFF 5-ON 4-ON	3.5	1404	702
FACTORY SW1 SWITCH SETTINGS 6-ON 5-OFF 4-OFF	4	1622	799

- SEE NEXT PAGE FOR MORE DATA -

A/C Evaporator Coil Applications

Furnace Model Number	AC Tonnage	Line Set	Cond. Model Number	Coil Model Number	Capacity	EER	SEER	AHRI Reference Number
OH6FX072DV4	2	LS01E-30	TC4B2421H	HE33636PA212	23000	12.20	14.00	9136135
				HE47636PA212	23000	12.20	14.50	9136136
		LS01E-50	TC7B2421S	HE33636PA212	23600	12.50	15.00	9136145
				HE47636PA212	23600	13.00	16.00	9136146
	2.5	LS01E-30	TC4B3021H	HE33636PA212	29400	11.70	14.00	9136137
				HE47636PA212	29400	12.20	14.50	9136138
		LS01E-50	TC7B3021S	HE33636PA212	28000	12.50	15.00	9136147
				HE47636PA212	28400	13.00	16.00	9136148
	3	LS01E-30	TC4B3621H	HE33636PA212	34400	11.70	14.00	9136139
				HE47636PA212	34600	12.20	14.50	9136140
		LS01E-50	TC7B3621S	HE33636PA212	34800	12.20	15.00	9136149
				HE47636PA212	36000	13.00	16.00	9136150
	3.5	LS02E-30	TC7B4221S	-	-	-	-	-
				HE50660PA212	41500	13.00	16.00	9136152
	4	LS02E-30	TC4B4821H	-	-	-	-	-
				HE50660PA212	47500	12.20	14.50	9136144
LS02E-50		TC7B4821S	-	-	-	-	-	
			HE50660PA212	45500	12.50	15.00	9136154	



OIL FIRED COUNTERFLOW/*HORIZONTAL FURNACE SPECIFICATIONS

MODEL NO.	OD6F/RA072D48(V5)B			OD6F/RA072D48(V5)R		
	High Fire	Med Fire	Low Fire	High Fire	Med Fire	Low Fire
HEATING CAPACITY						
HEAT INPUT RATE (BTUH)	106,250	85,000	70,000	106,250	85,000	70,000
OUTPUT BTUH ¹	89,000	72,000	60,000	89,000	72,000	60,000
SEASONAL EFFICIENCY ²	85.7			85.7		
LARGEST REC A/C ³	4 Tons (5 Tons)			4 Tons (5 Tons)		
NOMINAL TEMP RISE	66°	66°	66°	66°	66°	66°
HEAT EXCHANGER AREA						
CASING HEIGHT (IN.):	45"			45"		
CASING WIDTH (IN.):	20"			20"		
CASING DEPTH (IN.):	30"			30"		
NOMINAL FLUE OUTLET DIA.	5"			5"		
APPROX SHIPPING WEIGHT	250			250		
APPROVAL AGENCY	U.L. 727			U.L. 727		
QTY AND SIZE OF PERMANENT FILTERS	(2) 18-3/4" x 12-3/4"			(2) 18-3/4" x 12-3/4"		
ELECTRICAL REQUIREMENTS	120 / 60 / 1			120 / 60 / 1		
MAX FUSE SIZE PSC / ECM	15 / 15			15 / 15		
TOTAL CURRENT (AMPS) PSC / ECM	8.7 / 12.3			8.7 / 12.3		
HEIGHT FROM FLOOR TO CENTER OF FLUE (FRONT FLUE) (REAR FLUE)	20-1/2" 20-1/2"			20-1/2" 20-1/2"		
SUPPLY AIR OUTLET SIZE (W-IN. X D-IN.)	18" x 20"			18" x 20"		
RETURN AIR INLET OPENING SIZE (W-IN. X D-IN.)	18" x 19"			18" x 19"		
	ACCESSORY ITEMS					
2-LINE SYSTEM KIT FOR RIELLO	N/A			380705		
COMBUSTION AIR INTAKE HOOD KIT	AOPS8397			AOPS8416		
FIELD VENT TERMINATION KIT	AOPS8393			AOPS8393		
SIDEWALL VENT ACCESSORIES KIT	AOPS8394			AOPS8395		
COMBUSTIBLE FLOOR BASE	D6-BASE			D6-BASE		
COTTAGE BASE	D6COT-BASE			D6COT-BASE		
COIL CABINET	CE112S, CE312T			CE112S, CE312T		
BLOCKED VENT KIT ⁴	AOPS2686			AOPS2686		

*Horizontal installation for left or right supply.

- SEE NEXT PAGE FOR MORE DATA -

¹ OUTPUT BTUH BASED ON ANNUAL FUEL UTILIZATION EFFICIENCY RATED BY MANUFACTURER.

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

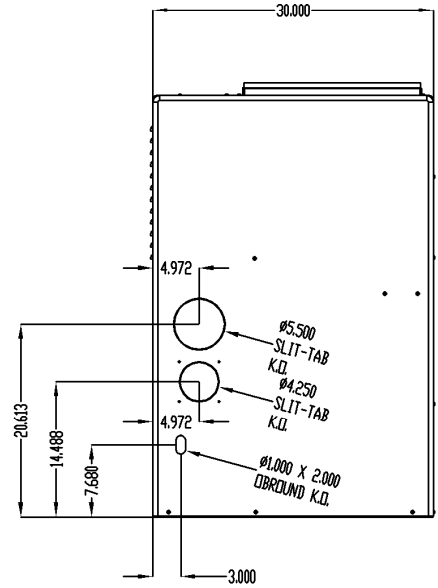
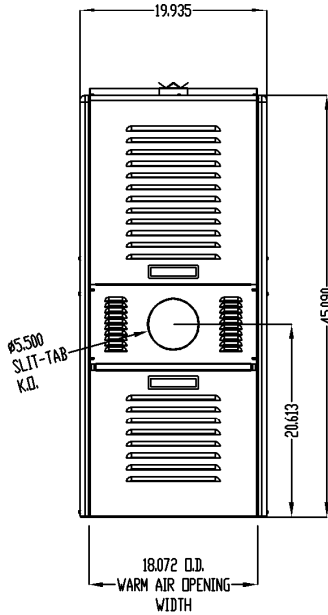
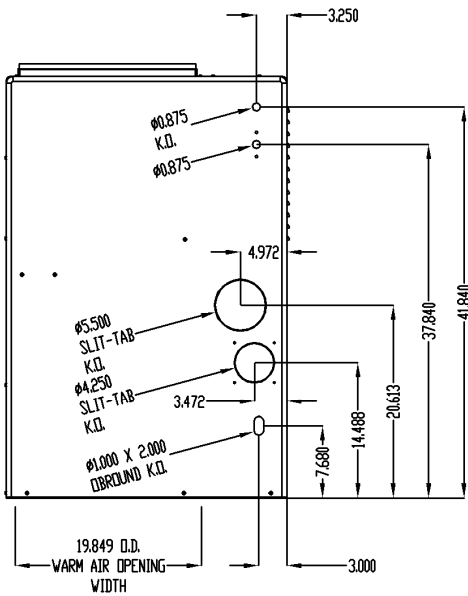
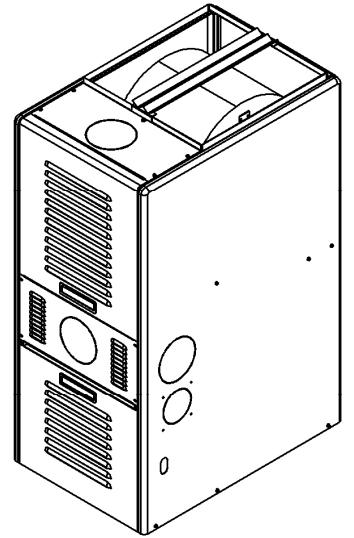
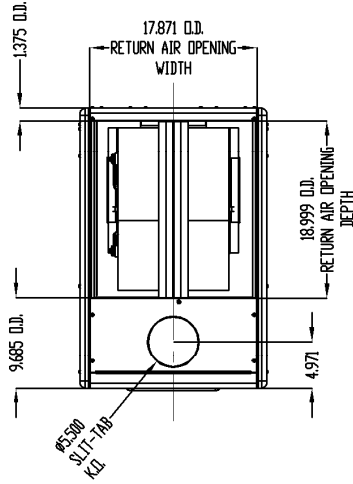
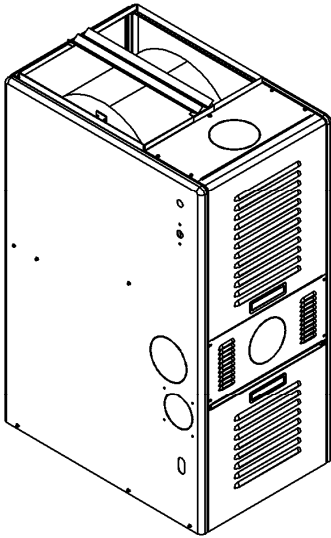
³ TO PERMIT LARGEST RECOMMENDED AIR CONDITIONING (AT .5 STATIC PRESSURE), SELECTION OF THE HIGHEST MOTOR SPEED IS REQUIRED.

⁴ NOT TO BE USED IN SIDEWALL VENT APPLICATIONS, USE ONLY WHEN CHIMNEY VENTED.

Model Number Digit	1	2	3	4	5	6	7	8	9	10	11	12
	Fuel	Configuration	Heat Exchanger Identifier	Flue	Feature	Capacity	Capacity	Capacity	Blower Type	Clg Airflow Cap.	Clg Airflow Cap.	Burner
Oil Furnace Model Nomenclature Example Model Numbers	O	D	6	F	A	0	7	2	D	4	8	B
	O	D	6	F	A	0	7	2	D	V	5	R
	O	D	6	R	A	0	7	2	D	4	8	B
	O	D	6	R	A	0	7	2	D	V	5	R
O = Oil	O											
H = Highboy D = Dual Poise		D										
6 = Heat Exchanger Size Identifier			6									
F = Front				F								
R = Rear				R								
A = Single Stage					A							
Heating Capacity MBTUH (000's) with factory installed nozzle						0	7	2				
D = Direct Drive									D			
Clg. Airflow: Example = 48MBTUH = 4 tons @ 400cfm/ton										4	8	
Clg. Airflow Variable Speed (ECM) V5= 5tons										V	5	
B = Beckett												B
R = Riello												R

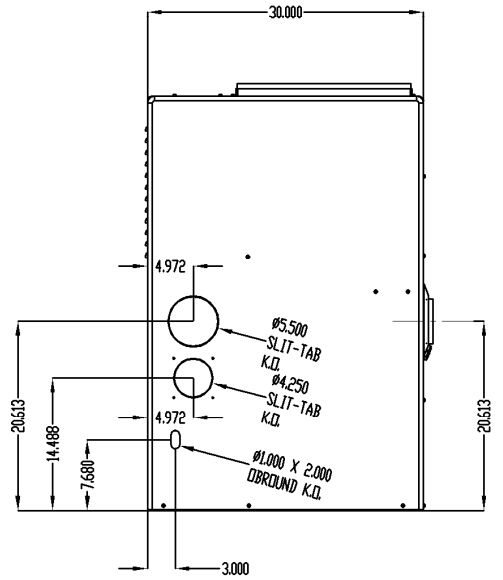
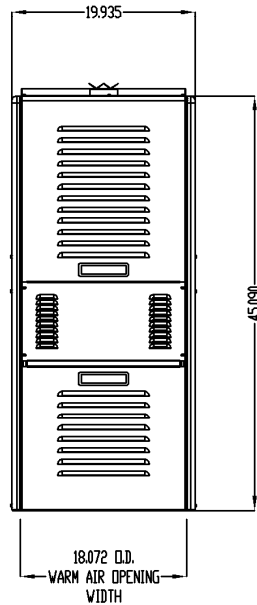
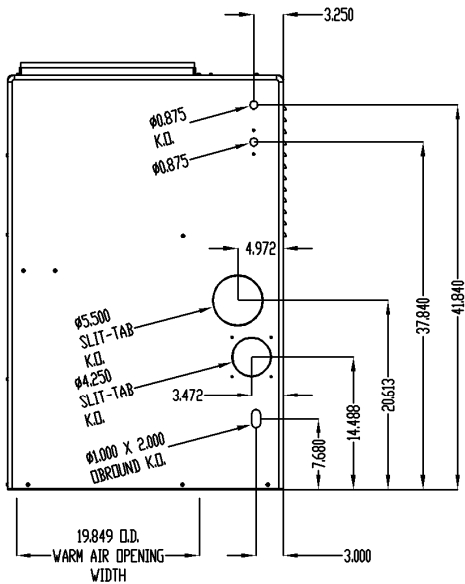
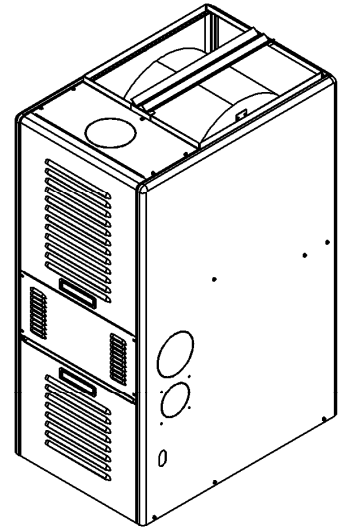
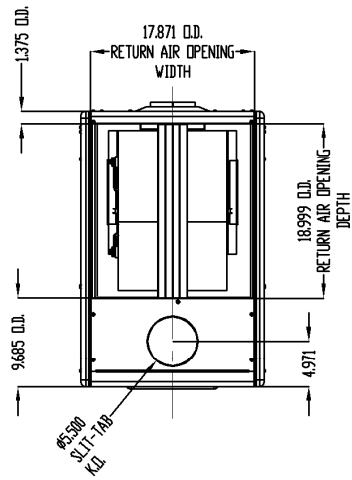
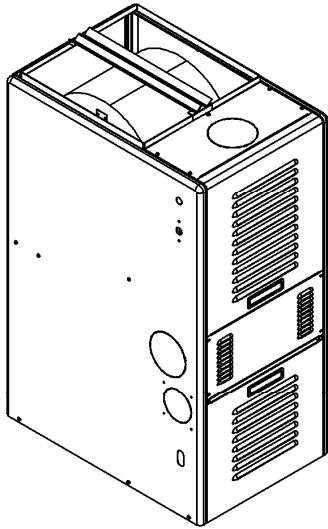
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OIL FIRED COUNTERFLOW/HORIZONTAL FURNACE SPECIFICATIONS



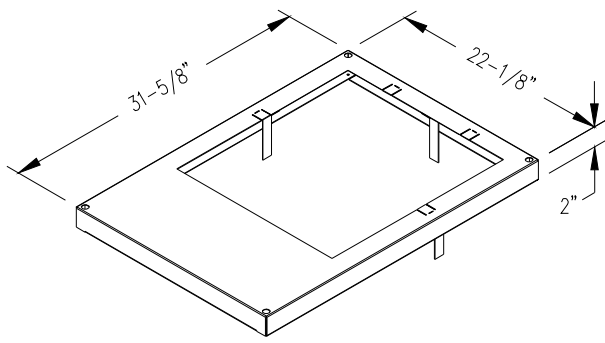
OD6FA072D***

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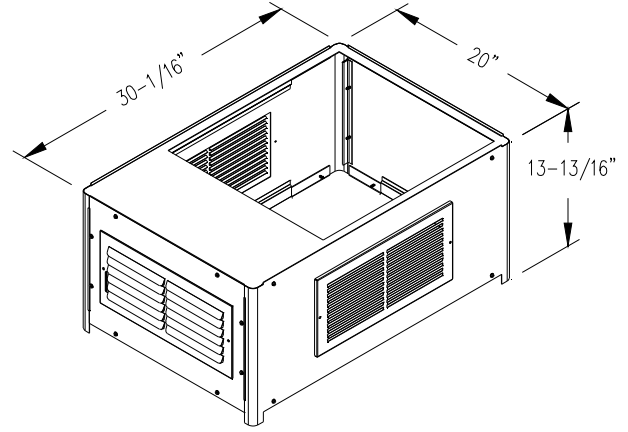


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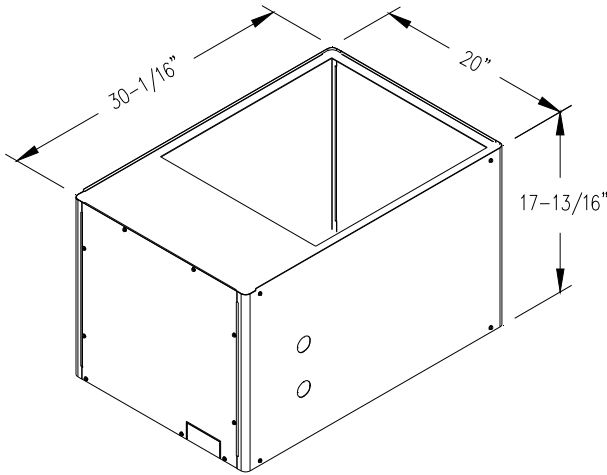
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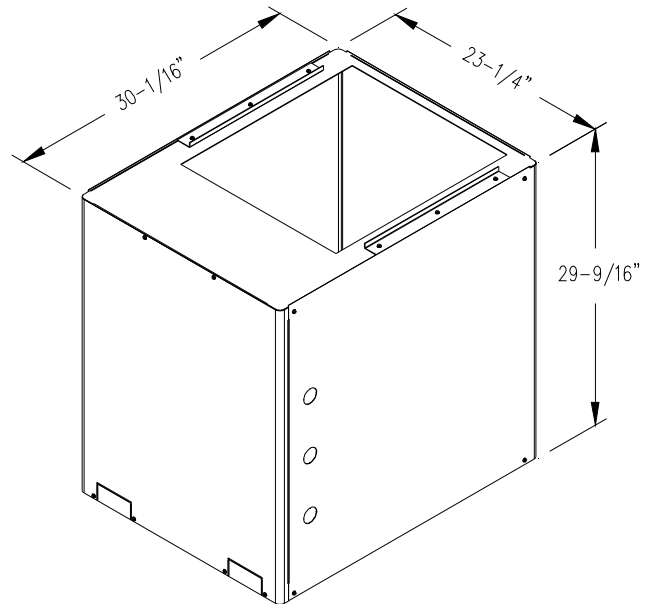
COMBUSTIBLE FLOOR BASE MODEL: D6-BASE



COTTAGE BASE MODEL: D6COT-BASE



COIL CABINET MODEL: CE112S



COIL CABINET MODEL: CE312T

- SEE NEXT PAGE FOR MORE DATA -

OIL FIRED COUNTERFLOW/HORIZONTAL FURNACE SPECIFICATIONS

BLOWER DATA:	OD6F/RA072D48	OD6F/RA072DV5
BLOWER MODEL ⁴	12-9-T-DD-11	12-9-T-DD-11
MOTOR H.P.	½ HP	1 HP
MOTOR TYPE & NUMBER OF SPEEDS	PSC - 5	ECM (CONSTANT CFM)
HIGH SPEED AIRFLOW (SCFM) @ 0.5 IN. W.G. EXTERNAL STATIC PRESSURE:	1600	2000
Diameter x Width	12 x 9	12 x 9

BURNER DATA:	RIELLO "BF3" WITH CERA-FELT SLEEVE		
AIR TUBE LENGTH (IN.)	4 ½"		
BURNER HEAD TYPE:	Fixed		
FUEL TYPE:	#2		
NOZZLE RATING (GPH):	.70	.60	.50
SPRAY ANGLE (DEG.):	80°	80°	80°
SPRAY PATTERN:	HOLLOW (A)	HOLLOW (A)	HOLLOW (A)
OIL PUMP PRESSURE (PSIG):	140 PSI		
COMBUSTION CHAMBER TYPE:	REFRACTORY (SOFT CHAMBER)		

BURNER DATA:	BECKETT "AFG" S-PLATE 3912 (3-5/8") 31517 CERAMIC		
AIR TUBE LENGTH (IN.)	4 ½"		
BURNER HEAD TYPE:	F-3		
FUEL TYPE:	#2		
NOZZLE RATING (GPH):	.75	.60	.50
SPRAY ANGLE (DEG.):	80°	80°	80°
SPRAY PATTERN:	HOLLOW (A)	HOLLOW (A)	HOLLOW (A)
OIL PUMP PRESSURE (PSIG):	120 PSI		
COMBUSTION CHAMBER TYPE:	REFRACTORY (SOFT CHAMBER)		

CLEARANCES:	FRONT FLUE	REAR FLUE
	MINIMUM CLEARANCES TO COMUSTIBLE MATERIALS:	
SIDES	0"	0"
FRONT (SERVICE ACCESS)	(Clearance to Combustibles) 6"/ 24" (Service)	(Clearance to Combustibles) 6"/ 24" (Service)
REAR	0"	0"
FLUE	7"	7"
TOP	0"	0"
SUPPLY PLENUM	1"	1"

⁴ DD - DIRECT DRIVE

- SEE NEXT PAGE FOR MORE DATA -

OIL FIRED COUNTERFLOW/HORIZONTAL FURNACE SPECIFICATIONS OD6F/RA072D48

ALTERATIONS REQ'D FOR A/C @ DESIGN EXTERNAL STATIC PRESSURE				
COOLING UNIT	HTG Speed by Input			Recommended CLG Speed
	Low fire	Mid Fire	High Fire	
24,000	Low	ML	MH	Low / Med Low
30,000	Low	ML	MH	Med Low
36,000	Low	ML	MH	Med / Med High
42,000	Low	ML	MH	Med High / High
48,000	Low	ML	MH	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	797	792	770	735	692	643	613
ML	1019	1011	1002	982	953	935	913
Med	1230	1219	1203	1191	1150	1114	1090
MH	1370	1357	1335	1316	1280	1238	1203
High	1846	1789	1750	1705	1640	1588	1533

Motor Current Draw (Amps) vs. External Static pressure (in. WC.)							
Low	3.53	3.4	3.27	3.12	3	2.88	2.7
ML	4.6	4.53	4.46	4.33	4.2	4.09	3.99
Med	5.6	5.47	5.42	5.35	4.83	4.61	4.53
MH	6.7	6.28	5.97	5.76	5.46	5.22	5.01
High	8.26	8.02	7.78	7.49	7.14	6.86	6.58

Speed Tap \ Static Pressure	High Fire Temperature Rise vs. External Static Pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	104	106	109	115	121	128	143
ML	83	82	83	85	87	92	102
Med	68	69	70	72	74	76	79
MH	58	59	60	61	63	66	68
High	44	46	47	48	49	51	53

Speed Tap \ Static Pressure	Mid Fire Temperature Rise vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	83	85	87	92	97	102	115
ML	66	66	67	68	70	73	82
Med	55	55	56	57	59	61	63
MH	47	47	48	49	51	53	55
High	35	36	38	38	40	41	43

Speed Tap \ Static Pressure	Low Fire Temperature Rise vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	69	70	72	76	80	84	94
ML	54	54	55	56	58	60	67
Med	45	46	46	47	49	50	52
MH	38	39	40	40	42	43	45
High	29	30	31	32	33	34	35

= Recommended operation range

- SEE NEXT PAGE FOR MORE DATA -

Heating Speed Set-ups

	BTUH	Low Fire	Med Fire	High Fire	Static Pressure (Amps/Watts)	
		60,000	72,000	90,000		
Fan Control SW 1 Switch Settings	Heating CFM	Aprox. Rise (F°)	Aprox. Rise (F°)	Aprox. Rise (F°)	0.2	0.5
3-OFF 2-OFF 1-OFF	755	73			1.3/114	1.9/173
3-OFF 2-OFF 1-ON	826	66	80		1.4/121	2.1/191
3-OFF 2-ON 1-OFF	898	61	74		1.5/136	2.2/203
3-OFF 2-ON 1-ON	983	56	67		1.7/155	2.4/227
3-ON 2-OFF 1-OFF	1068		62	77	1.9/176	2.7/259
3-ON 2-OFF 1-ON	1168		57	71	2.2/203	3.0/286
3-ON 2-ON 1-OFF	1282			64	2.6/245	3.5/333
3-ON 2-ON 1-ON	1424			58	3.1/299	4.2/400

 = Recommended Heating Speed Setting

- SEE NEXT PAGE FOR MORE DATA -

Cooling Speed Set-ups

Fan Control SW 1 Switch Settings	Air Flow			Static Pressure (Amps/Watts)	
	Clg. Tonage	Cool	Continuous	0.2	0.5
6-OFF 5-OFF 4-OFF	2	799	500	1.3/115	2.0/185
6-OFF 5-OFF 4-ON	2.5	1017	508	1.8/168	2.5/234
6-OFF 5-ON 4-OFF	3	1210	605	2.4/219	3.2/308
6-OFF 5-ON 4-ON	3.5	1404	702	3.2/301	4.1/395
6-ON 5-OFF 4-OFF	4	1622	799	4.3/412	5.4/532
6-ON 5-ON 4-OFF	5	2010	993	7.2/720	8.6/861

- SEE NEXT PAGE FOR MORE DATA -



OIL FIRED UPFLOW FURNACE SPECIFICATIONS

MODEL NO.	OH8FA119D60/DV5B			OH8FA119D60/DV5R			OH8FA119D60/DV5C		
HEATING CAPACITY	High Fire	Med Fire	Low Fire	High Fire	Med Fire	Low Fire	High Fire	Med Fire	Low Fire
HEAT INPUT RATE (BTUH)	156,250	140,000	119,000	156,250	140,000	119,000	156,250	140,000	119,000
OUTPUT BTUH ¹	132,000	120,000	101,000	132,000	120,000	101,000	132,000	120,000	101,000
SEASONAL EFFICIENCY ²	85.8%			86.0%			85.0%		
LARGEST REC A/C ³	5 Tons			5 Tons			5 Tons		
NOMINAL TEMP RISE	66°	66°	66°	66°	66°	66°	66°	66°	66°
HEAT EXCHANGER AREA									
CASING HEIGHT (IN.):	50 1/8"			50 1/8"			50 1/8"		
CASING WIDTH (IN.):	24 1/2"			24 1/2"			24 1/2"		
CASING DEPTH (IN.):	36 1/2"			36 1/2"			36 1/2"		
NOMINAL FLUE OUTLET DIA.	7"			7"			7"		
APPROX SHIPPING WEIGHT LBS	310			310			310		
APPROVAL STANDARDS	UL727 CAN/CSA B140.4			UL727 CAN/CSA B140.4			UL727 CAN/CSA B140.4		
QTY AND SIZE OF PERMANENT FILTERS	(1) 24 3/4" X 19 3/4"			(1) 24 3/4" X 19 3/4"			(1) 24 3/4" X 19 3/4"		
ELECTRICAL REQUIREMENTS VAC/HZ/PH	120/60/1			120/60/1			120/60/1		
MAX FUSE SIZE (AMPS) PSC/ECM	20/20			20/20			20/20		
TOTAL CURRENT (AMPS) PSC/ECM									
HEIGHT FROM FLOOR TO CENTER OF FLUE	42 1/2"			42 1/2"			42 1/2"		
SUPPLY AIR OUTLET SIZE (W-IN. X D-IN.)	20" X 20"			20" X 20"			20" X 20"		
RETURN AIR DUCTWORK CONNECTION FLANGE SIZE ON FILTER RACK (D-IN. X H-IN.)	23 3/4" X 19"			23 3/4" X 19"			23 3/4" X 19"		
RETURN AIR INLET OPENING SIZE IN SIDE CASING (TO BE CUTOUT BY DEALER) (D-IN. X H-IN.)	23" X 14"			23" X 14"			23" X 14"		
OPTIONAL REAR RETURN AIR OPENING (D-IN X H-IN)	22" X 14"			22" X 14"			22" X 14"		
	ACCESSORY ITEMS								
2-LINE SYSTEM KIT FOR RIELLO	N/A			380705			N/A		
FIELD VENT TERMINATION KIT ⁵	AOPS8414			AOPS8414			N/A		
SIDEWALL VENT ACCESSORIES KIT ⁵	AOPS8394			AOPS8395			N/A		
COMBUSTION AIR KIT	AOPS8397			AOPS8416			N/A		
BLOCKED VENT KIT ⁴	AOPS2686			AOPS2686			AOPS2686		

¹ OUTPUT BTUH BASED ON ANNUAL FUEL UTILIZATION EFFICIENCY RATED BY MANUFACTURER.

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

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

⁴ NOT TO BE USED IN SIDEWALL VENT APPLICATIONS, USE ONLY WHEN CHIMNEY VENTED.

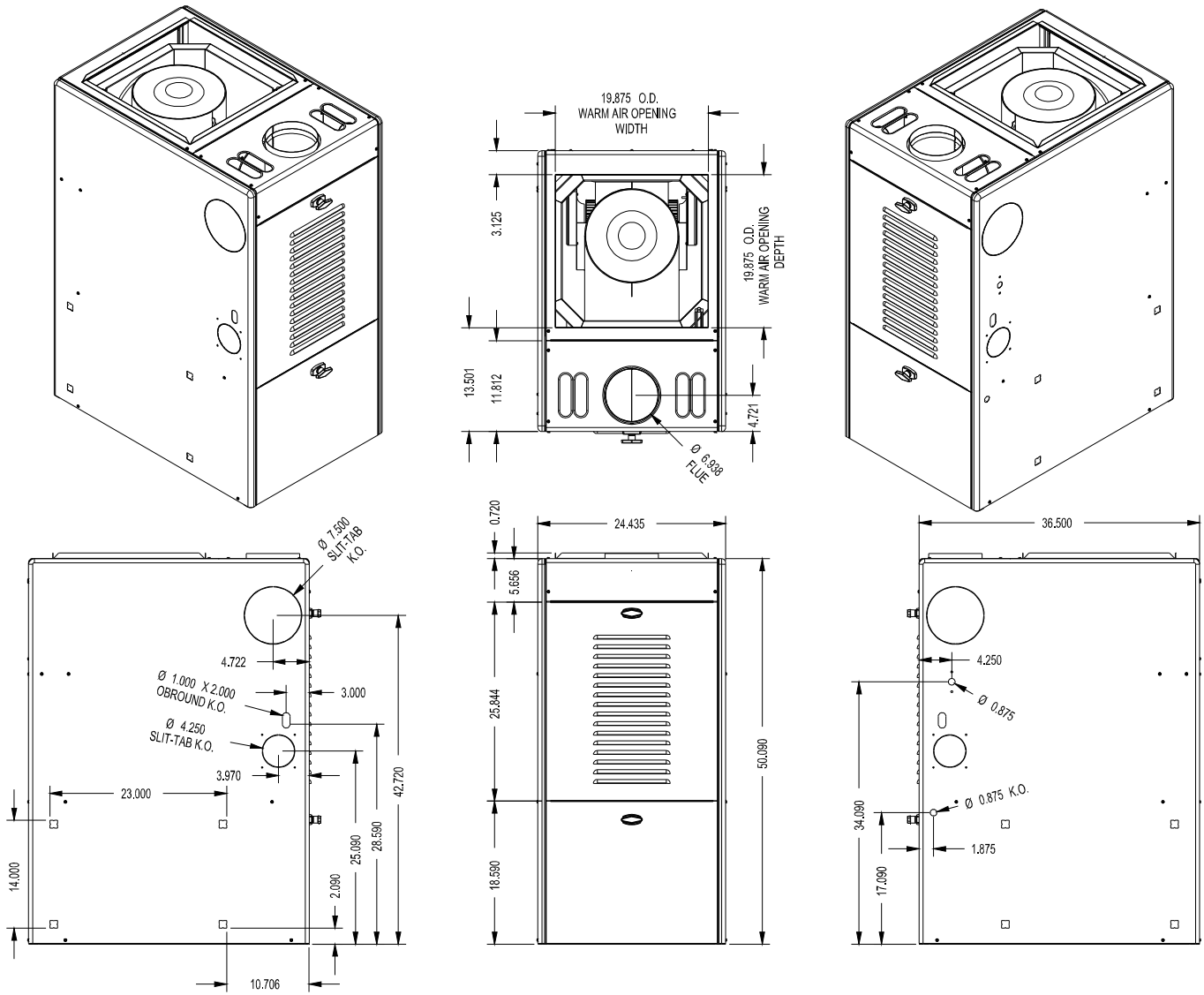
⁵ NOT TO BE USED WITH CARLIN BURNER.

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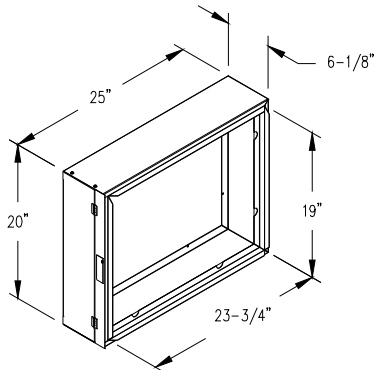
Model Number Digit	1	2	3	4	5	6	7	8	9	10	11	12
	Fuel	Configuration	Heat Exchanger Identifier	Flue	Design Change	Capacity	Capacity	Capacity	Blower Type	Clg Airflow Cap.	Clg Airflow Cap.	Burner
Oil Furnace Model Nomenclature Example Model Numbers	O	H	8	F	A	1	1	9	D	6	0	B
	O	H	8	F	A	1	1	9	D	V	5	R
O = Oil	O											
H = Highboy		H										
6 = Heat Exchanger Size Identifier			8									
F = Front				F								
Design Change					A							
Heating Capacity MBTUH (000's) with factory installed nozzle						1	1	9				
D = Direct Drive									D			
Clg. Airflow: Example = 48MBTUH = 4 tons @ 400cfm/ton										6	0	
Clg. Airflow Variable Speed (ECM) V4= 4tons										V	5	
B = Beckett, R = Riello, N = Beckett NX, C = Carlin												B

- SEE NEXT PAGE FOR MORE DATA -

OIL FIRED UPFLOW FURNACE SPECIFICATIONS



FILTER RACK SPECIFICATIONS



- SEE NEXT PAGE FOR MORE DATA -

OIL FIRED UPFLOW FURNACE SPECIFICATIONS

BLOWER DATA:	OH8FA119D60	OH8FA119DV5
BLOWER MODEL	DD 120-11T	DD 120-11T
MOTOR H.P.	3/4 HP	1 HP Variable Speed
MOTOR TYPE & NUMBER OF SPEEDS	PSC - 4	ECM -
HIGH SPEED AIRFLOW (SCFM) @ 0.5 IN. W.G. EXTERNAL STATIC PRESSURE:	2000	2000
Diameter x Width (IN.)	11 x 11	11 x 11

BURNER DATA	RIELLO "BF5" WITH CERA-FELT SLEEVE		
AIR TUBE LENGTH (IN.)	4 1/2"		
BURNER HEAD TYPE:	Fixed		
FUEL TYPE:	#2		
NOZZLE RATING (GPH):	1.00	0.85	0.75
SPRAY ANGLE (DEG.):	80°	80°	80°
SPRAY PATTERN:	HOLLOW (A)	HOLLOW (A)	HOLLOW (A)
OIL PUMP PRESSURE (PSIG):	140 PSI		
COMBUSTION CHAMBER TYPE:	REFRACTORY (SOFT CHAMBER)		

BURNER DATA	BECKETT "AFG" S - PLATE 3383 (2 3/4 U) 31517 CERAMIC		
AIR TUBE LENGTH (IN.)	4 1/2"		
BURNER HEAD TYPE:	F-6		
FUEL TYPE:	#2		
NOZZLE RATING (GPH):	1.10	1.00	0.85
SPRAY ANGLE (DEG.):	80°	80°	80°
SPRAY PATTERN:	HOLLOW (A)	HOLLOW (A)	HOLLOW (A)
OIL PUMP PRESSURE (PSIG):	120 PSI		
COMBUSTION CHAMBER TYPE:	REFRACTORY (SOFT CHAMBER)		

BURNER DATA	CARLIN "EZ-1HP"		
AIR TUBE LENGTH (IN.)	4 1/2"		
BURNER HEAD TYPE:	N/A		
FUEL TYPE:	#2		
NOZZLE RATING (GPH):	0.90	0.85	0.75
SPRAY ANGLE (DEG.):	60°	60°	60°
SPRAY PATTERN:	HOLLOW (A)	HOLLOW (A)	HOLLOW (A)
OIL PUMP PRESSURE (PSIG):	140 PSI		
COMBUSTION CHAMBER TYPE:	REFRACTORY (SOFT CHAMBER)		

CLEARANCES	
	MINIMUM CLEARANCES TO COMUSTIBLE MATERIALS:
SIDES	0"
FRONT (SERVICE ACCESS)	(Clearance to Combustibles) 8"/ 24" (Service)
REAR	0"
FLUE	8"
TOP PLENUM	1"
SIDES PLENUM	1"

- SEE NEXT PAGE FOR MORE DATA -

OIL FIRED UPFLOW FURNACE SPECIFICATIONS

OH8FA119D60

ALTERATIONS REQ'D FOR A/C @ DESIGN EXTERNAL STATIC PRESSURE				
COOLING UNIT	HTG Speed by Input			Recommended CLG Speed
	Low Fire	Mid Fire	High Fire	
36,000	L/ML	ML/MH	MH/H	Low (L)
42,000	L/ML	ML/MH	MH/H	Med Low (ML)
48,000	L/ML	ML/MH	MH/H	Med High (MH)
60,000	L/ML	ML/MH	MH/H	High (H)

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	1254	1254	1251	1246	1221	1189	1126
ML	1473	1464	1460	1437	1415	1377	1329
MH	1733	1731	1718	1705	1686	1660	1627
High	2300	2243	2224	2166	2099	2048	1754
Blower Motor Current Draw (Amps)/Watts vs. External Static pressure (in. WC.)							
Low	6.6/648	6.6/648	6.4/639	6.2/630	6.0/612	5.8/592	5.4/565
ML	7.6/772	7.2/739	7.1/730	6.8/704	6.6/683	6.3/661	6.1/641
MH	9.0/908	9.0/905	8.7/888	8.5/871	8.3/842	8.0/818	7.7/796
High	12.5/1270	11.7/1200	11.2/1150	10.7/1110	10.2/1060	9.7/1020	9.2/969

Speed Tap\ Static Pressure	High Fire Temperature Rise vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	98	98	98	99	101	103	109
ML	83	84	84	86	87	89	93
MH	71	71	72	72	73	74	76
High	53	55	55	57	59	60	70

Speed Tap\ Static Pressure	Mid Fire Temperature Rise vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	88	88	88	89	90	93	98
ML	75	75	75	77	78	80	83
MH	64	64	64	65	65	66	68
High	48	49	50	51	52	54	63

Speed Tap\ Static Pressure	Low Fire Temperature Rise vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	75	75	75	75	77	79	83
ML	64	64	64	65	66	68	70
MH	54	54	55	55	56	56	58
High	41	42	42	43	45	46	53

- SEE NEXT PAGE FOR MORE DATA -

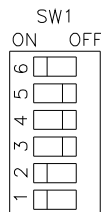
OIL FIRED UPFLOW FURNACE SPECIFICATIONS

OH8FA119DV5

Heating Speed Set-ups

Furnace Motor Current
Draw (Amps / Watts) vs.
External Static Pressure (in W.C)

		Low Fire	Med Fire	High Fire			
		BTUH	101,000	119,000	132,000		
Fan Control SW 1 Switch Settings	Heating CFM	Aprox. Rise (F ⁰)	Aprox. Rise (F ⁰)	Aprox. Rise (F ⁰)	.02	.05	
3-OFF 2-OFF 1-OFF	1202	78°			1.6/146	2.5/233	
3-OFF 2-OFF 1-ON	1315	71°	84°		1.9/174	2.7/252	
3-OFF 2-ON 1-OFF	1429	65°	77°		2.3/206	3.2/294	
3-OFF 2-ON 1-ON	1565	60°	70°	78°	2.6/242	3.6/337	
Factory SW1 Switch Settings 3-ON 2-OFF 1-OFF	1701	55°	65°	72°	3.1/292	4.1/399	
3-ON 2-OFF 1-ON	1860		59°	66°	3.7/354	4.8/466	
3-ON 2-ON 1-OFF	2041			60°	4.7/452	5.7/567	
3-ON 2-ON 1-ON	2223			55°	5.9/587	7.2/719	



- SEE NEXT PAGE FOR MORE DATA -

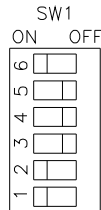
OIL FIRED UPFLOW FURNACE SPECIFICATIONS

OH8FA119DV5

Cooling Speed Set-ups

**Furnace Motor Current
Draw (Amps/Watts) vs.
External Static Pressure (in W.C.)**

		Air Flow					
	Fan Control SW 1 Switch Settings	Clg. Tonnage	Cool	Continuous	Dehum	.02	.05
		6-OFF 5-OFF 4-OFF	2	800	500	557	1.0/89
6-OFF 5-OFF 4-ON	2.5	1018	509	703	1.4/121	2.1/192	
6-OFF 5-ON 4-OFF	3	1212	606	848	1.8/159	2.6/231	
6-OFF 5-ON 4-ON	3.5	1406	703	994	2.3/203	3.1/290	
Factory SW1 Switch Settings	6-ON 5-OFF 4-OFF	4	1624	800	1139	3.0/278	4.0/378
	6-ON 5-OFF 4-ON	4.5	1818	897	1285	3.8/353	5.0/475
	6-ON 5-ON 4-OFF	5	2012	994	1406	4.8/456	6.0/582
	6-ON 5-ON 4-ON	5.5	2230	1115	1551	6.1/593	7.4/729



- SEE NEXT PAGE FOR MORE DATA -

A/C Evaporator Coil Applications

Furnace Model Number	AC Tonnage	Line Set	Cond. Model Number	Coil Model Number	Capacity	EER	SEER	AHRI Reference Number
OH8FA119D60	3	LS01E-30 LS01E-50	TC4B3621H	HE33636PA212	34400	11.70	14.00	9136139
				HE47636PA212	34600	12.20	14.50	9136140
			TC7B3621S	HE33636PA212	34800	12.20	15.00	9136149
				HE47636PA212	36000	13.00	16.00	9136150
	3.5	LS02E-30 LS02E-50	TC7B4221S	-	-	-	-	-
				HE50660PA212	41500	13.00	16.00	9136152
	4	LS02E-30 LS02E-50	TC4B4821H	-	-	-	-	-
				HE50660PA212	47500	12.20	14.50	9136144
			TC7B4821S	-	-	-	-	-
				HE50660PA212	45500	12.50	15.00	9136154
	5	1 1/8" ¹ 3/8"	TC4B6021S	-	-	-	-	-
				HE50660PA212	56000	12.20	14.00	10156162
OH8FA119DV5	2	LS01E-30 LS01E-50	TC4B2421H	HE33636PA212	23000	12.20	14.00	9136135
				HE47636PA212	23000	12.20	14.50	9136136
			TC7B2421S	HE33636PA212	23600	12.50	15.00	9136145
				HE47636PA212	23600	13.00	16.00	9136146
	2.5	LS01E-30 LS01E-50	TC4B3021H	HE33636PA212	29400	11.70	14.00	9136137
				HE47636PA212	29400	12.20	14.50	9136138
			TC7B3021S	HE33636PA212	28000	12.50	15.00	9136147
				HE47636PA212	28400	13.00	16.00	9136148
	3	LS01E-30 LS01E-50	TC4B3621H	HE33636PA212	34400	11.70	14.00	9136139
				HE47636PA212	34600	12.20	14.50	9136140
			TC7B3621S	HE33636PA212	34800	12.20	15.00	9136149
				HE47636PA212	36000	13.00	16.00	9136150
	3.5	LS02E-30 LS02E-50	TC7B4221S	-	-	-	-	-
				HE50660PA212	41500	13.00	16.00	9136152
	4	LS02E-30 LS02E-50	TC4B4821H	-	-	-	-	-
				HE50660PA212	47500	12.20	14.50	9136144
			TC7B4821S	-	-	-	-	-
				HE50660PA212	45500	12.50	15.00	9136154
	5	1 1/8" ¹ 3/8"	TC4B6021S	-	-	-	-	-
				HE50660PA212	56000	12.20	14.00	10156162

¹ Adapter fitting must be field supplied to connect required 1 1/8" line set to 7/8" service valve connection.



OIL FIRED UPFLOW FURNACE SPECIFICATIONS

MODEL NO.	OL6*A072D48/DV5 B			OL6*A072D48/DV5 R		
HEATING CAPACITY	High Fire	Med Fire	Low Fire	High Fire	Med Fire	Low Fire
HEAT INPUT RATE (BTUH)	106,250	85,000	70,000	106,250	85,000	70,000
OUTPUT BTUH ¹	89,000	72,000	60,000	90,000	73,000	60,000
SEASONAL EFFICIENCY ²	86.5%			87.0%		
LARGEST REC A/C ³	4 Tons / 5Tons			4 Tons / 5 Tons		
NOMINAL TEMP RISE	66°	66°	66°	66°	66°	66°
HEAT EXCHANGER AREA						
CASING HEIGHT (IN.):	34-3/4"			34-3/4"		
CASING WIDTH (IN.):	20"			20"		
CASING DEPTH (IN.):	50"			50"		
NOMINAL FLUE OUTLET DIA.	5"			5"		
APPROX SHIPPING WEIGHT LBS	250			250		
APPROVAL STANDARDS	UL727 CAN/CSA B140.4			UL727 CAN/CSA B140.4		
QTY AND SIZE OF PERMANENT FILTERS	(2) 19 3/4" X 13 3/4"			(2) 19 3/4" X 13 3/4"		
ELECTRICAL REQUIREMENTS VAC/HZ/PH	120/60/1			120/60/1		
MAX FUSE SIZE (AMPS) PSC/ECM	15 / 15			15 / 15		
TOTAL CURRENT (AMPS) PSC/ECM	8.7 / 12.3			8.7 / 12.3		
HEIGHT FROM FLOOR TO CENTER OF FLUE	28-3/8"			28-3/8"		
SUPPLY AIR OUTLET SIZE (W-IN. X D-IN.)	18" X 20" (20" x 20") ⁵			18" X 20" (20" x 20") ⁵		
RETURN AIR INLET OPENING SIZE (W-IN. X D-IN.)	18" X 18" (20" x 18") ⁵			18" X 18" (20" x 18") ⁵		
	ACCESSORY ITEMS					
2-LINE SYSTEM KIT FOR RIELLO	N/A			380705		
FIELD VENT TERMINATION KIT	AOPS8393			AOPS8393		
SIDEWALL VENT ACCESSORIES KIT	AOPS8394			AOPS8395		
COMBUSTION AIR KIT	AOPS8397			AOPS8416		
BLOCKED VENT KIT ⁴	AOPS2686			AOPS2686		

¹ OUTPUT BTUH BASED ON ANNUAL FUEL UTILIZATION EFFICIENCY RATED BY MANUFACTURER.

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

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

⁴ NOT TO BE USED IN SIDEWALL VENT APPLICATIONS, USE ONLY WHEN CHIMNEY VENTED.

⁵ PLENUM ADAPTERS, INCLUDED WITH UNIT, MUST BE INSTALLED FOR 20" PLENUM WIDTH.

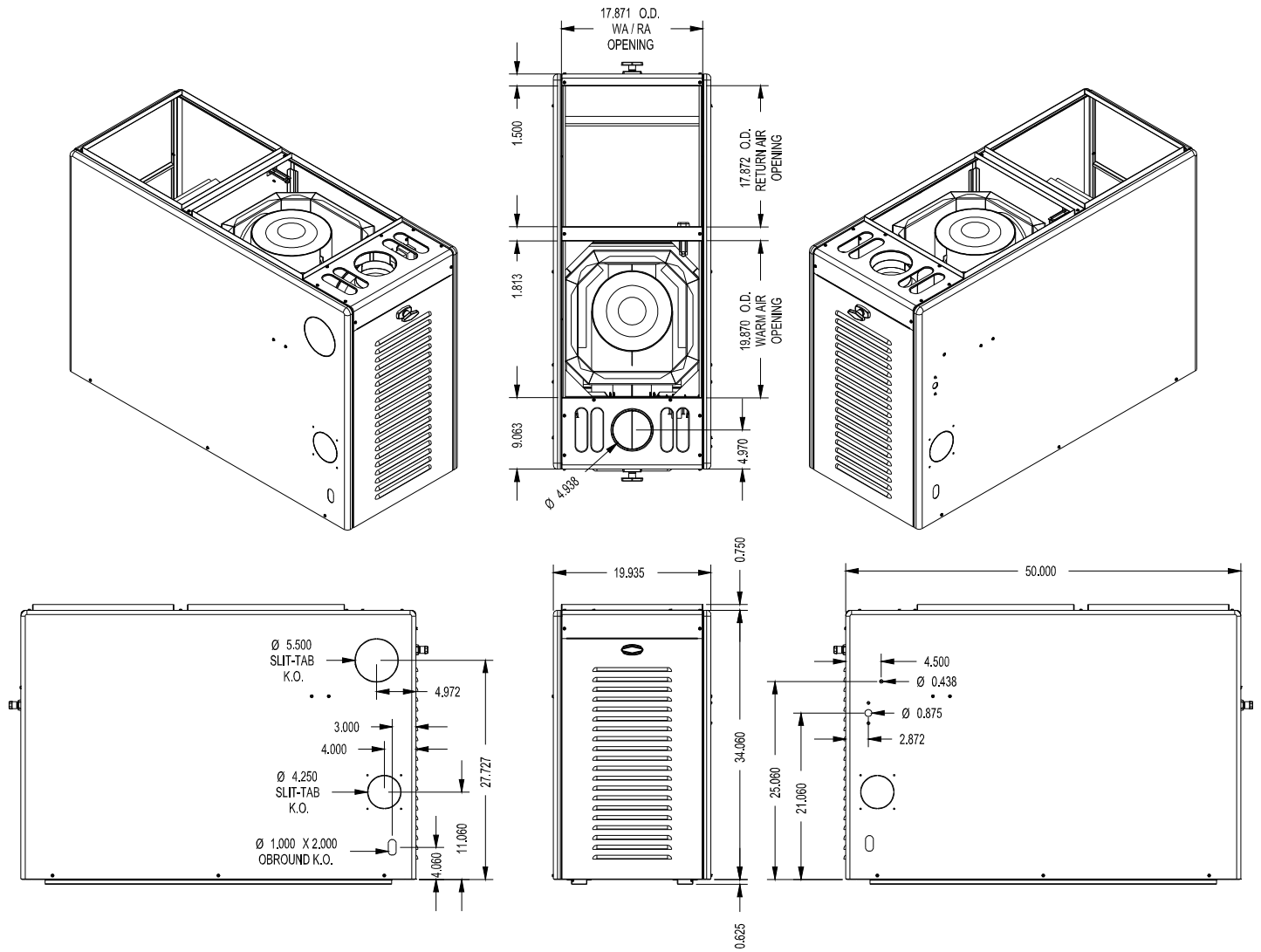
- SEE NEXT PAGE FOR MORE DATA -

Model Number Digit	1	2	3	4	5	6	7	8	9	10	11	12
	Fuel	Configuration	Heat Exchanger Identifier	Flue	Design Change	Capacity	Capacity	Capacity	Blower Type	Clg Airflow Cap.	Clg Airflow Cap.	Burner
Oil Furnace Model Nomenclature Example Model Numbers	O	L	6	F	A	0	7	2	D	4	8	B
	O	L	6	F	A	0	7	2	D	V	5	B
	O	L	6	R	A	0	7	2	D	V	5	R
O = Oil	O											
L=Lowboy		L										
6 = Heat Exchanger Size Identifier			6									
F = Front				F								
R = Rear				R								
A = Design Change					A							
Heating Capacity MBTUH (000's) with factory installed nozzle						0	7	2				
D = Direct Drive									D			
Clg. Airflow: Example = 48MBTUH = 4 tons @ 400cfm/ton										4	8	
Clg. Airflow Variable Speed (ECM) V5= 5tons										V	5	
B = Beckett, R = Riello												B

- SEE NEXT PAGE FOR MORE DATA -

OIL FIRED UPFLOW FURNACE SPECIFICATIONS

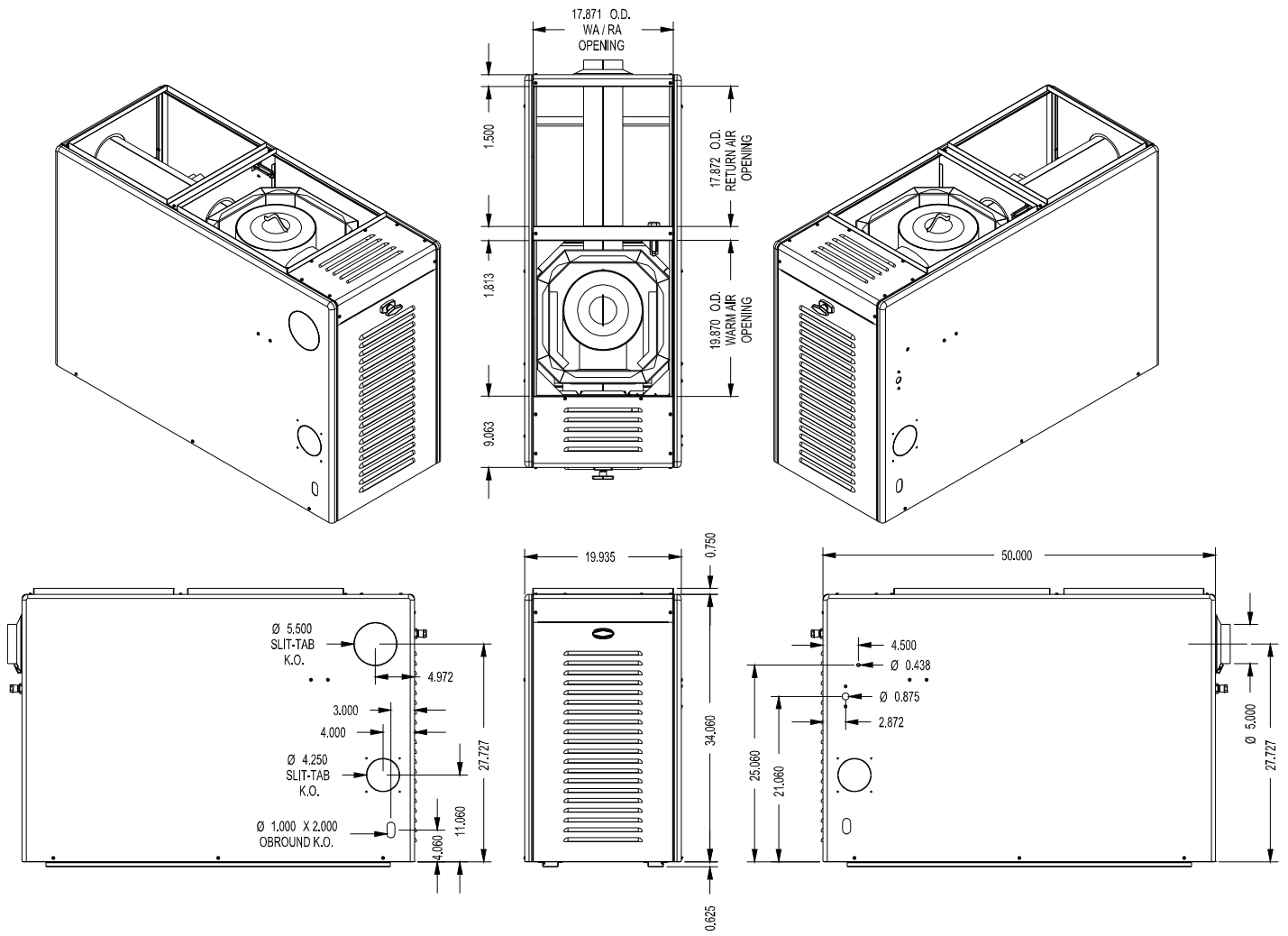
OL6FA072D**



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OIL FIRED UPFLOW FURNACE SPECIFICATIONS

OL6RA072D**



- SEE NEXT PAGE FOR MORE DATA -

OIL FIRED UPFLOW FURNACE SPECIFICATIONS

BLOWER DATA:	OL6*A072D48	OL6*A072DV5
BLOWER MODEL (DIRECT DRIVE)	DD 120-9T	DD 120-9T
MOTOR H.P.	½ HP	1 HP
MOTOR TYPE & NUMBER OF SPEEDS	PSC - 5	ECM (CONSTANT CFM)
HIGH SPEED AIRFLOW (SCFM) @ 0.5 IN. W.G. EXTERNAL STATIC PRESSURE:	1566	2000
Diameter x Width (IN.)	12 x 9	12 x 9

BURNER DATA	RIELLO "BF3" WITH CERA-FELT SLEEVE		
AIR TUBE LENGTH (IN.)	4 ½"		
BURNER HEAD TYPE:	Fixed		
FUEL TYPE:	#2		
NOZZLE RATING (GPH):	.70	.60	.50
SPRAY ANGLE (DEG.):	80°	80°	80°
SPRAY PATTERN:	HOLLOW (A)	HOLLOW (A)	HOLLOW (A)
OIL PUMP PRESSURE (PSIG):	140 PSI		
COMBUSTION CHAMBER TYPE:	REFRACTORY (SOFT CHAMBER)		

BURNER DATA	BECKETT "AFG" S - PLATE 3912 (3 5/8") 31517 CERAMIC		
AIR TUBE LENGTH (IN.)	4 ½"		
BURNER HEAD TYPE:	F-3		
FUEL TYPE:	#2		
NOZZLE RATING (GPH):	.75	.60	.50
SPRAY ANGLE (DEG.):	80°	80°	80°
SPRAY PATTERN:	HOLLOW (A)	HOLLOW (A)	HOLLOW (A)
OIL PUMP PRESSURE (PSIG):	120 PSI		
COMBUSTION CHAMBER TYPE:	REFRACTORY (SOFT CHAMBER)		

CLEARANCES	MINIMUM CLEARANCES TO COMUSTIBLE MATERIALS:
SIDES	0"
FRONT (SERVICE ACCESS)	(Clearance to Combustibles) 6" / 24" (Service)
REAR	(Clearance to Combustibles) 0" / 24" (Service)
FLUE	7"
TOP PLENUM	1"
SIDES PLENUM	1"

OIL FIRED UPFLOW FURNACE SPECIFICATIONS

OL6*A072D48

ALTERATIONS REQ'D FOR A/C @ DESIGN EXTERNAL STATIC PRESSURE				
COOLING UNIT	HTG Speed by Input			Recommended CLG Speed
	Low fire	Mid Fire	High Fire	
24,000	ML	MED	MH	Med Low
30,000	ML	MED	MH	Med
36,000	ML	MED	MH	Med High
42,000	ML	MED	MH	High
48,000	ML	MED	MH	High

Speed Tap\ Static Pressure	Furnace Airflow (CFM) vs. External Static pressure (in. WC.)				
	0.2	0.3	0.4	0.5	0.6
Low	712	691	682	667	664
ML	902	899	896	883	874
MED	1113	1113	1109	1091	1073
MH	1270	1266	1250	1239	1215
High	1670	1637	1605	1566	1527
Motor Current Draw (Amps/Watts) vs. External Static pressure (in. WC.)					
Low	4.1/408	4.0/398	4.0/395	3.9/385	3.8/378
ML	5.3/540	5.3/535	5.2/527	5.1/512	4.9/500
MED	6.6/665	6.4/644	6.2/634	5.9/609	5.6/584
MH	7.6/772	7.2/739	6.9/713	6.6/682	6.4/663
High	9.6/951	8.4/830	9.0/887	8.8/869	8.4/835

Speed Tap\ Static Pressure	High Fire Temperature Rise vs. External Static pressure (in. WC.)				
	0.2	0.3	0.4	0.5	0.6
Low	119	122	124	127	127
ML	94	94	94	96	97
MED	76	76	76	77	79
MH	66	67	68	68	70
High	51	52	53	54	55

Speed Tap\ Static Pressure	Mid Fire Temperature Rise vs. External Static pressure (in. WC.)				
	0.2	0.3	0.4	0.5	0.6
Low	96	99	100	102	103
ML	75	76	76	77	78
MED	61	61	61	62	63
MH	54	54	54	55	56
High	41	42	42	43	45

Speed Tap\ Static Pressure	Low Fire Temperature Rise vs. External Static pressure (in. WC.)				
	0.2	0.3	0.4	0.5	0.6
Low	79	81	83	84	85
ML	62	63	63	64	64
MED	51	51	51	52	53
MH	44	44	45	45	46
High	34	34	35	36	37

- SEE NEXT PAGE FOR MORE DATA -

OIL FIRED UPFLOW FURNACE SPECIFICATIONS

OL6*A072DV5

Heating Speed Set-ups

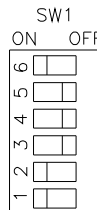
Furnace Motor Current

Draw (Amps/ / Watts) vs.

External Static Pressure (in W.C.)

			Low Fire	Med Fire	High Fire		
		BTUH	60,000	72,000	90,000		
Fan Control SW 1 Switch Settings	Heating CFM		Aprox. Rise (F°)	Aprox. Rise (F°)	Aprox. Rise (F°)	0.2	0.5
	3-OFF 2-OFF 1-OFF	755		73°			1.1/93
3-OFF 2-OFF 1-ON	826		66°	80°		1.2/105	1.9/168
3-OFF 2-ON 1-OFF	898		61°	74°		1.8/180	2.3/219
Factory SW1 Switch Settings	3-OFF 2-ON 1-ON	983	56°	67°		2.0/199	2.7/270
	3-ON 2-OFF 1-OFF	1068		62°	77°	2.2/224	3.0/297
	3-ON 2-OFF 1-ON	1168		57°	71°	2.5/254	3.4/336
	3-ON 2-ON 1-OFF	1282			64°	3.0/298	3.8/380
	3-ON 2-ON 1-ON	1397			60°	3.5/338	4.4/420

= Recommended Heating Speed Setting



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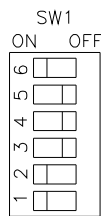
OIL FIRED UPFLOW FURNACE SPECIFICATIONS

OL6*A072DV5

Cooling Speed Set-ups

**Furnace Motor Current
Draw (Amps / Watts) vs.
External Static Pressure (in W.C)**

		Air Flow				
		Clg. Tonnage	Cool	Continuous	0.2	0.5
Factory SW1 Switch Settings	6-OFF 5-OFF 4-OFF	2	799	500	1.2/100	1.9/162
	6-OFF 5-OFF 4-ON	2.5	1017	508	1.8/155	2.5/223
	6-OFF 5-ON 4-OFF	3	1210	605	2.5/223	3.2/298
	6-OFF 5-ON 4-ON	3.5	1404	702	3.4/310	4.2/394
	6-ON 5-OFF 4-OFF	4	1622	799	4.7/444	5.5/535
	6-ON 5-OFF 4-ON	-	1817	897	6.1/590	7.1/693
	6-ON 5-ON 4-OFF	5	2010	993	7.9/789	8.8/883



- SEE NEXT PAGE FOR MORE DATA -

A/C Evaporator Coil Applications

Furnace Model Number	AC Tonnage	Line Set	Cond. Model Number	Coil Model Number	Capacity	EER	SEER	AHRI Reference Number
OL6*A072D48	2	LS01E-30 LS01E-50	TC4B2421H	HE33636PA212	23000	12.20	14.00	9136135
				HE47636PA212	23000	12.20	14.50	9136136
			TC7B2421S	HE33636PA212	23600	12.50	15.00	9136145
				HE47636PA212	23600	13.00	16.00	9136146
	2.5	LS01E-30 LS01E-50	TC4B3021H	HE33636PA212	29400	11.70	14.00	9136137
				HE47636PA212	29400	12.20	14.50	9136138
			TC7B3021S	HE33636PA212	28000	12.50	15.00	9136147
				HE47636PA212	28400	13.00	16.00	9136148
	3	LS01E-30 LS01E-50	TC4B3621H	HE33636PA212	34400	11.70	14.00	9136139
				HE47636PA212	34600	12.20	14.50	9136140
			TC7B3621S	HE33636PA212	34800	12.20	15.00	9136149
				HE47636PA212	36000	13.00	16.00	9136150
	3.5	LS02E-30 LS02E-50	TC7B4221S	-	-	-	-	-
				HE50660PA212	41500	13.00	16.00	9136152
	4	LS02E-30 LS02E-50	TC4B4821H	-	-	-	-	-
				HE50660PA212	47500	12.20	14.50	9136144
TC7B4821S			-	-	-	-	-	
			HE50660PA212	45500	12.50	15.00	9136154	
OL6*A072DV5	2	LS01E-30 LS01E-50	TC4B2421H	HE33636PA212	23000	12.20	14.00	9136135
				HE47636PA212	23000	12.20	14.50	9136136
			TC7B2421S	HE33636PA212	23600	12.50	15.00	9136145
				HE47636PA212	23600	13.00	16.00	9136146
	2.5	LS01E-30 LS01E-50	TC4B3021H	HE33636PA212	29400	11.70	14.00	9136137
				HE47636PA212	29400	12.20	14.50	9136138
			TC7B3021S	HE33636PA212	28000	12.50	15.00	9136147
				HE47636PA212	28400	13.00	16.00	9136148
	3	LS01E-30 LS01E-50	TC4B3621H	HE33636PA212	34400	11.70	14.00	9136139
				HE47636PA212	34600	12.20	14.50	9136140
			TC7B3621S	HE33636PA212	34800	12.20	15.00	9136149
				HE47636PA212	36000	13.00	16.00	9136150
	3.5	LS02E-30 LS02E-50	TC7B4221S	-	-	-	-	-
				HE50660PA212	41500	13.00	16.00	9136152
	4	LS02E-30 LS02E-50	TC4B4821H	-	-	-	-	-
				HE50660PA212	47500	12.20	14.50	9136144
			TC7B4821S	-	-	-	-	-
				HE50660PA212	45500	12.50	15.00	9136154
	5	1 1/8" ¹ 3/8"	TC4B6021S	-	-	-	-	-
				HE50660PA212	56000	12.20	14.00	10156162

¹ Adapter fitting must be field supplied to connect required 1 1/8" line set to 7/8" service valve connection.

Mobile Home Furnaces



Oil & Gas Mobile Home Furnaces



Built Tough for Lifetime Comfort™



The Thermo Pride Advantage

Our mobile home furnaces are designed and built specifically as a replacement furnace. Also perfect for cottages, garages and cabins.

- Built Thermo Pride tough!
- Extremely quiet operation
- Dependable & Reliable
- Easy Access Clean-out Ports (oil)
- Full line of bases, roof jacks, vent kits and accessories
- Heavy-duty powder-coated cabinet
- Up to 3 tons of cooling capacity
- American Made

Our Superior Warranty

OME Series - Oil Mobile Home Furnaces

Limited lifetime warranty on heat exchanger and 10-year parts warranty. Non-prorated lifetime heat exchanger automatically transferrable.

PEACE OF MIND
W A R R A N T Y

GMD1, CMA3, CMC1 Series - Gas Mobile Home Furnaces

Limited lifetime warranty on heat exchanger and 10-year parts warranty with Peace of Mind Plus unit replacement for first 10 years. Non-prorated lifetime heat exchanger automatically transferrable. If the heat exchanger fails due to manufacturers defects within 10 years from the date of installation, we will provide a replacement furnace upon verification of warranty status. After 10 years, the heat exchanger continues to be covered by our transferable lifetime limited warranty.

PEACE OF MIND
Plus
W A R R A N T Y

Oil Mobile Home Furnace Specifications

MODEL NUMBER

OME-72D36

OME-72T36

Output BTUH¹ (Low Fire, High Fire)	60,000, 72,000	60,000, 72,000
Seasonal Efficiency²	86%	
Blower Motor	PSC	ECM ³ ★
Dimensions HxWxD	57" x 18" x 24-3/4"	
Warm Air Outlet WxD	12" x 12"	
Return Air Inlet	14" x 22" Louvered	
Largest Recommended A/C⁴	3 tons	
Temperature Rise	66°	
Vent Pipe Size	4"	
Approximate Shipping Weight	240 lbs.	

1. BTU output based on seasonal efficiency determined by US Department of Energy test results.
2. Seasonal efficiency (Also called AFUE-Annual Fuel Utilization Efficiency) ratings are based on tests following US Department of Energy procedures.
3. Constant torque ECM blower motor.
4. To permit largest recommended air conditioning, selection of the highest motor speed is required.

All specifications are subject to change without notice.

Gas Mobile Home Furnace Specifications

All units come shipped setup for natural gas and include an LP gas conversion kit.

MODEL NUMBER

GMD1-60N

GMD1-80N

CMA3-50D36N

CMA3-75D36N

CMC1-50D36N

CMC1-75D36N

CMC1-50DV3N

CMC1-75DV3N

BTU Per Hour Input	60,000	80,000	50,000	75,000	50,000	75,000	50,000	75,000
BTU Per Hour Output¹	50,000	65,000	48,000	72,000	48,000	72,000	47,000	71,000
Seasonal Efficiency²	81.6%	81%	95%	95%	95%	95%	95%	95%
Blower Motor	PSC	PSC	PSC	PSC	PSC	PSC	ECM ³ ★	ECM ³ ★
Dimensions HxWxD (Inches)	57 x 18 x 25-3/4	57 x 18 x 25-3/4	57 x 18 x 25-3/4	57 x 18 x 25-3/4	76-1/8 x 18-3/4 x 25-3/4	76-1/8 x 18-3/4 x 25-3/4	76-1/8 x 18-3/4 x 25-3/4	76-1/8 x 18-3/4 x 25-3/4
Warm Air Outlet⁴	12" x 12"	12" x 12"	12" x 12"	12" x 12"	12" x 12"	12" x 12"	12" x 12"	12" x 12"
Return Air Inlet (Louvered)⁴	14" x 22"	14" x 22"	14" x 22"	14" x 22"	15" x 18"	15" x 18"	15" x 18"	15" x 18"
Motor Horsepower	1/3 - 4 speed	1/3 - 4 speed	1/2 - 4 speed	1/2 - 4 speed	1/2 - 4 speed	1/2 - 4 speed	1/2 - 5 speed	1/2 - 5 speed
Largest Recommended A/C⁵	2.5 tons	2.5 tons 3 tons (w/ upgrade kit)	3 tons	3 tons	3 tons	3 tons	3 tons	3 tons
Integrated Coil Cabinet	No	No	No	No	Yes	Yes	Yes	Yes
Temperature Rise	60°	70°	55°	65°	55°	65°	55°	65°
Vent Pipe Size	4"	4"	2" PVC	2" PVC	2" PVC	2" PVC	2" PVC	2" PVC
Approximate Shipping Weight	165 lbs.	165 lbs.	175 lbs.	185 lbs.	195 lbs.	205 lbs.	195 lbs.	205 lbs.

1. BTU output based on seasonal efficiency determined by US Department of Energy test results.
2. Seasonal efficiency (Also called AFUE-Annual Fuel Utilization Efficiency) ratings are based on tests following US Department of Energy procedures.
3. Constant torque ECM blower motor.
4. On all outlet and inlet dimensions, the first dimension is width.
5. To permit largest recommended air conditioning, selection of the highest motor speed is required.

All specifications are subject to change without notice.



These models meet Energy Star 4.0 Requirements. Go to www.energystar.gov for qualifying unit details.

Mobile Home Furnace Accessories

PART NO.	DESCRIPTION	FOR USE WITH
Bases		
70-Base	Combustible Floor Base	OME, GMD1, CMA3
01COT-BASE	Cottage Base	OME, GMD1, CMA3
Roof Jacks		
TRJ-1	1' Roof Jack	OME, GMD1
TRJ-2	2' Roof Jack	OME, GMD1
TRJ-3	3' Roof Jack	OME, GMD1
AC Coil Cabinets - Coils Sold Separately		
CE111S	AC Cabinet, 18-3/4" x 24-3/4" x 20"	OME, GMD1, CMA3
3-Ton Airflow Kit		
AOPS2677	3-Ton Airflow Upgrade Kit	GMD1-80N
LP/Natural Gas Conversion Kits		
AOPS7696	LP Conversion Kit	GMD1-60
AOPS7685	LP Conversion Kit	GMD1-80
AOPS7742	LP Conversion Kit	CMA3, CMC1
AOPS7697	Natural Gas Conversion Kit	GMD1-60
AOPS7686	Natural Gas Conversion Kit	GMD1-80
AOPS7743	Natural Gas Conversion Kit	CMA3, CMC1
Note: LP Kits are shipped with GMD1, CMA3 and CMC1 Furnaces.		
Repair Parts Kit		
AOPS2690	Furnace Repair Parts Kit	OME-72D36
AOPS7675	Furnace Repair Parts Kit	GMD1
AOPS7719	Furnace Repair Parts Kit	CMA3, CMC1
Miscellaneous		
VP-1	4" Stainless Steel Vent Pipe (34" long)	OME, GMD1
TSA-25	Slope Adapter for Roof Pitch 2.5:12	OME, GMD1, CMA3, CMC1
TSA-30	Slope Adapter for Roof Pitch 3:12	OME, GMD1, CMA3, CMC1
AOPS7483	2" Concentric Vent Kit with 4" Adapter	CMA3, CMC1
AOPS7484	Dual Pipe Flashing Kit	CMA3, CMC1
AOPS7544	2" Concentric Vent Kit with 5" Adapter	CMA3, CMC1
AOPS7402	Combustion Air Intake Hood	OME, GMD1
AOPS7512	Roof Jack Combustion Air Kit	OME
AOPS7518	Flexible Stainless Steel Offset Vent Kit	OME, GMD1
320095	Neutralizing Kit	CMA3, CMC1
350224	Mini Condensate Pump	CMA3, CMC1
AOPS8419	Transition Boot with Screen	OME, GMD1
AOPS2686	Blocked Vent Kit (To be used only with Canadian cottage base applications.)	OME



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OIL-FIRED MOBILE HOME FURNACE SPECIFICATIONS

MODEL NO.	OME-72D36 / OME-72T36	
	LOW FIRE	HIGH FIRE
HEAT INPUT RATE (BTUH)	70,000	85,000
OUTPUT (BTUH) ¹	60,000	72,000
SEASONAL EFFICIENCY ²	86%	86%
FUEL	#2 FUEL OIL	
NOMINAL TEMP. RISE	66°	
CASING HEIGHT (IN.)	57"	
CASING WIDTH (IN.)	18"	
CASING DEPTH (IN.)	24-3/4"	
FLUE DIAMETER (IN.)	4"	
NOMINAL FLUE OUTLET DIAMETER (IN.)	4"	
APPROX. SHIPPING WEIGHT (LBS.)	240 LBS.	
APPROVAL AGENCY	ETL	
SIZE OF PERM. FILTER	18" X 24"	
ELECTRICAL REQUIREMENTS	115 VAC / 60 HZ / 1 PHASE	
MAX FUSE SIZE	15 AMPS	
TOTAL RATED CURRENT AMPS.	11	
SUPPLY AIR OUTLET SIZE (W-IN X D-IN)	12" X 12"	
RETURN AIR INLET OPENING SIZE	14" X 22" (LOUVERED)	
NOMINAL HEAT ANTICIPATOR SETTING	0.2mA	
	ACCESSORY ITEMS	
MOBILE HOME BASE	70-BASE	
COTTAGE BASE	01COT-BASE	
COIL CABINET FOR 2 TON	CE111S	
COIL CABINET FOR 2.5 & 3 TON	CE211T	
ROOF JACK 12" OR LESS	TRJ-1	
ROOF JACK 13" TO 24"	TRJ-2	
ROOF JACK 25" TO 36"	TRJ-3	
VENT PIPE	VP-1	
SLOPE ADAPTOR 2-1/2-12	TSA-25	
SLOPE ADAPTOR 3-1/2-12	TSA-30	
COMBUSTION AIR INTAKE HOOD	AOPS7402	
TRANSITION BOOT w/ SCREEN	AOPS8419	
BLOCKED VENT KIT ³	AOPS2686	
ROOF JACK COMBUSTION AIR KIT	AOPS7512	
OFFSET VENT KIT	AOPS7518	

1 OUTPUT BTUH BASED ON ANNUAL FUEL UTILIZATION EFFICIENCY RATED BY MANUFACTURER.

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

3 NOT TO BE USED IN MOBILE HOME APPLICATIONS WITH A ROOF-JACK.

- SEE NEXT PAGE FOR MORE DATA -

OIL-FIRED MOBILE HOME FURNACE SPECIFICATIONS

Model Number Digit	1	2	3	4	5		6	7	8
	Fuel	Mobile Home	Version		Output	Output	Motor Type	Clg Airflow Cap	Clg Airflow Cap
Furnace Model Nomenclature Example Model Numbers	O	M	E	-	7	2	D	3	6
	O	M	E	-	7	2	T	3	6
Fuel: O = Oil Furnace	O								
M = Mobile Home		M							
E = Version			E						
				-					
Output Capacity MBTUH (1000)					7	2			
Motor Type: D = PSC, T = CTM (Constant torque ECM)							D		
Cooling Airflow Capacity in MBTUH (1000)								3	6

- SEE NEXT PAGE FOR MORE DATA -

OIL-FIRED MOBILE HOME FURNACE SPECIFICATIONS

CLEARANCES TO COMBUSTIBLES

MODEL: OME-72	CLOSET	ALCOVE
FRONT	6"	18"
BACK	0"	0"
SIDES	0"	0"
ROOF JACK	0"	0"
VENT CONNECTOR	6"	6"
TOP	1"	1"
PLENUM SIDES	1"	1"
TOP AND SIDES OF DUCT	1"	1"
BOTTOM DUCT	1"	1"

BLOWER DATA

FURNACE MODEL	OME-72D36	OME-72T36
BLOWER MODEL	12-9T	12-9T
MOTOR H.P.	½ HP	½ HP
NO. OF SPEEDS	4	5
HIGH SPEED AIRFLOW (SCFM) @ 0.5 IN. W.G. EXTERNAL STATIC PRESSURE	1195	1189
DIAMETER X WIDTH	12 x 9	12 x 9

BURNER DATA

FURNACE MODEL	OME-72
BURNER MODEL	BECKETT AFG
SPEC. NO	TP-1406
AIR TUBE LENGTH	3"
HEAD	F-3
NOZZLE	0.50x80°A / 0.60x80°A *
REFRACTORY	ISOFORM (SOFT CHAMBER)
PUMP PRESSURE (PSIG)	120

* NOZZLE INSTALLED IN BURNER AS SHIPPED.

- SEE NEXT PAGE FOR MORE DATA -

OIL-FIRED MOBILE HOME FURNACE SPECIFICATIONS

OME-72D36

ALTERATIONS REQ'D FOR A/C @ DESIGN EXTERNAL STATIC PRESSURE			
COOLING UNIT	HTG Speed by Input		Recommended CLG Speed
	Low Fire	High Fire	
24,000	Low	ML	Med Low
30,000	Low	ML	Med High
36,000	Low	ML	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	849	809	768	724	677	627	512
ML	1011	971	923	887	849	776	724
MH	1227	1200	1156	1145	1092	1004	923
High	1492	1443	1397	1354	1295	1195	1092
Blower Motor Current Draw / Power (Amps / Watts) vs. External Static pressure (in. WC.)							
Low	3.2 / 309	3.2 / 310	3.0 / 297	2.9 / 292	2.8 / 285	2.7 / 280	2.6 / 271
ML	4.0 / 400	4.0 / 394	3.9 / 386	3.7 / 374	3.5 / 364	3.4 / 352	3.3 / 343
MH	4.9 / 508	4.8 / 497	4.6 / 481	4.5 / 472	4.3 / 455	4.0 / 429	3.8 / 415
High	5.8 / 618	5.7 / 607	5.5 / 586	5.3 / 570	5.2 / 554	4.9 / 532	4.7 / 515

Speed Tap\ Static Pressure	High Fire Temperature Rise vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	80	84	88	94	100	108	132
ML	67	70	73	76	80	87	94
MH	55	56	59	59	62	67	73
High	45	47	48	50	52	57	62

Speed Tap\ Static Pressure	Low Fire Temperature Rise vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	66	69	73	77	82	89	109
ML	55	57	60	63	66	72	77
MH	45	46	48	49	51	56	60
High	37	39	40	41	43	47	51

= Recommended operation range

- SEE NEXT PAGE FOR MORE DATA -

OIL-FIRED MOBILE HOME FURNACE SPECIFICATIONS

OME-72T36

ALTERATIONS REQ'D FOR A/C @ DESIGN EXTERNAL STATIC PRESSURE			
COOLING UNIT	HTG Speed by Input		Recommended CLG Speed (Color)
	Low fire	High Fire	
24,000	Low	Med	Med / ML
30,000	Low	Med	MH
36,000	Low	Med	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	873	807	746	677	602	531	448
ML	1024	975	916	863	812	739	671
MED	1081	1032	980	931	886	1823	757
MH	1175	1138	1091	1041	991	950	887
High	1360	1320	1279	1233	1189	1148	1107
Motor Current Draw (Amps/Watts) vs. External Static pressure (in. WC.)							
Low	1.6/111	1.6/116	1.7/121	1.7/126	1.8/130	1.8/135	1.9/141
ML	2.2/166	2.3/172	2.3/178	2.4/183	2.5/189	2.5/195	2.6/200
MED	2.5/193	2.6/200	2.7/206	2.7/212	2.8/217	2.9/224	2.9/230
MH	3.1/246	3.2/250	3.8/257	3.3/263	3.4/269	3.5/275	3.5/282
High	4.4/366	4.5/372	4.5/373	4.6/383	4.7/390	4.7/397	4.8/404

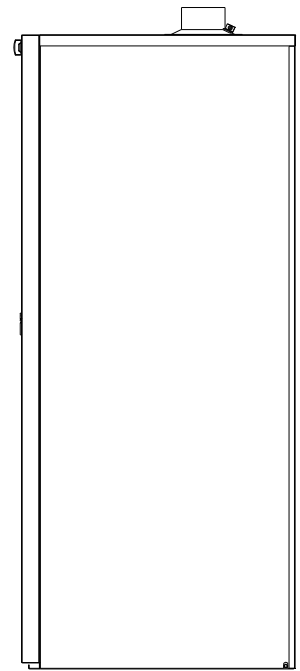
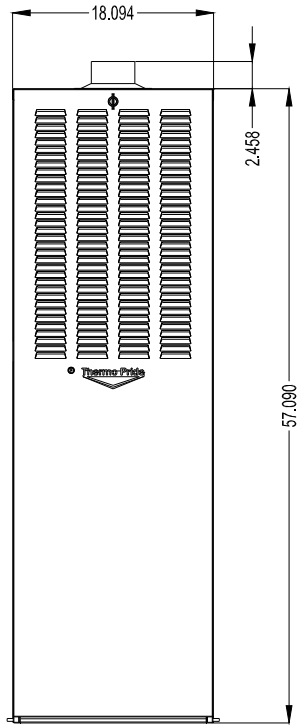
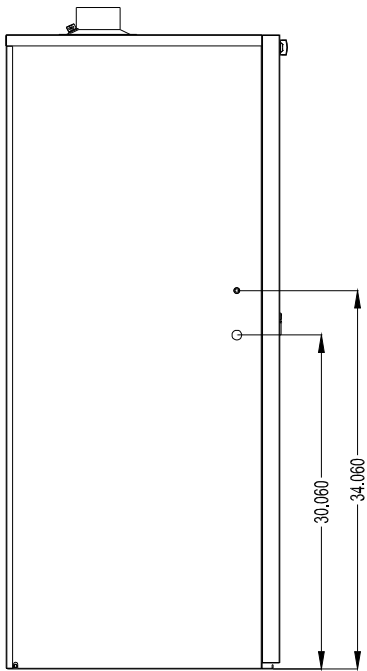
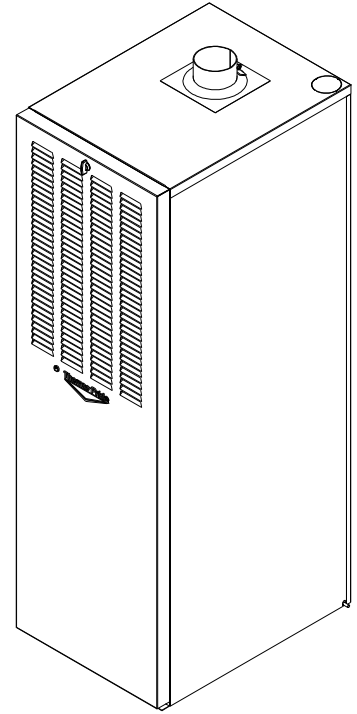
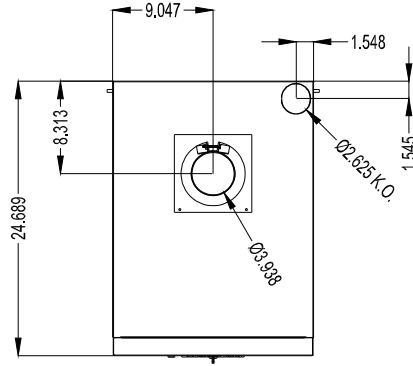
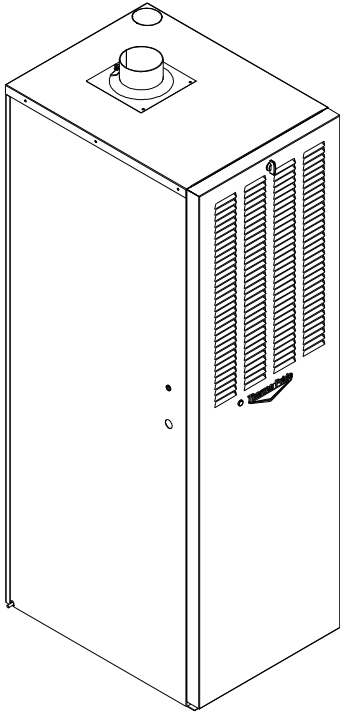
Speed Tap\ Static Pressure	High Fire Temperature Rise vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	78	84	91	100	112	128	151
ML	66	69	74	78	83	92	101
MED	63	66	69	73	76	82	89
MH	58	59	62	65	68	71	76
High	50	51	53	55	57	59	61

Speed Tap\ Static Pressure	Low Fire Temperature Rise vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	64	69	75	83	93	105	125
ML	55	57	61	65	69	76	83
MED	52	54	57	60	63	68	74
MH	47	49	51	54	56	59	63
High	41	42	44	45	47	49	50

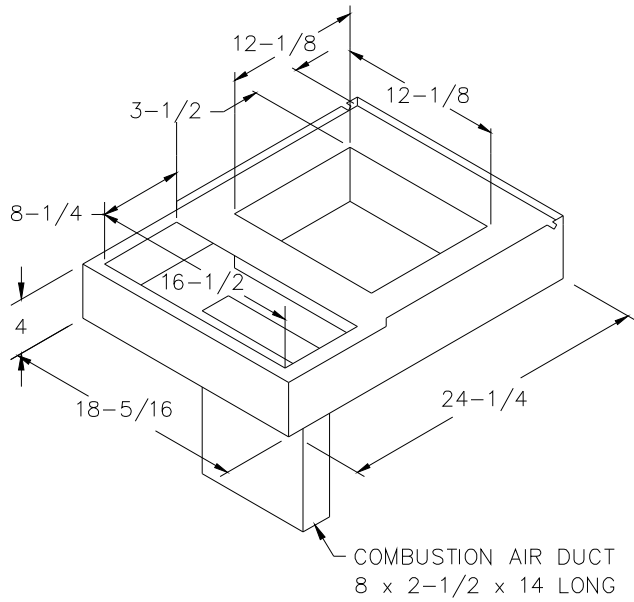
= Recommended operation range

- SEE NEXT PAGE FOR MORE DATA -

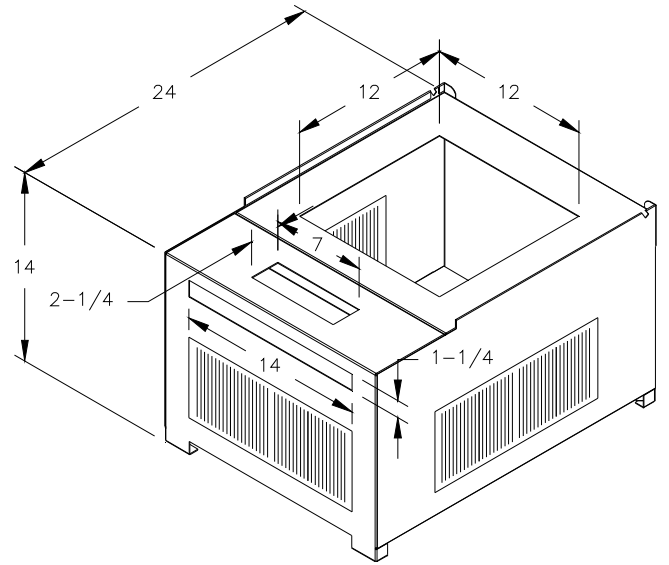
OIL-FIRED MOBILE HOME FURNACE SPECIFICATIONS OME-72



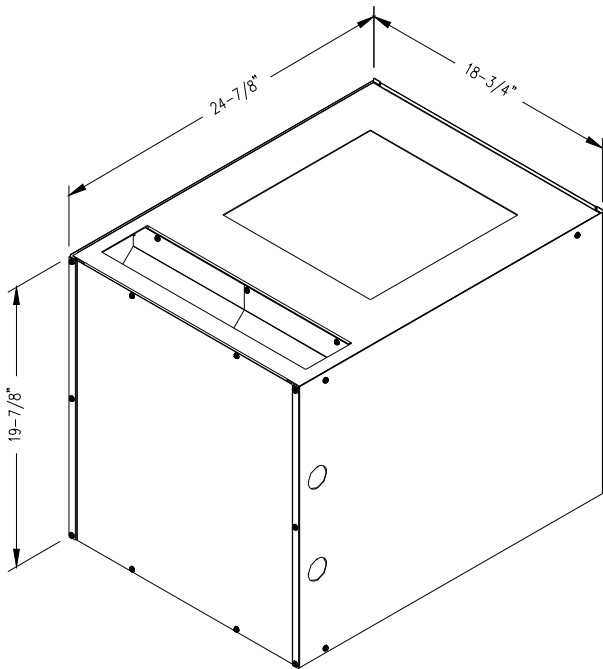
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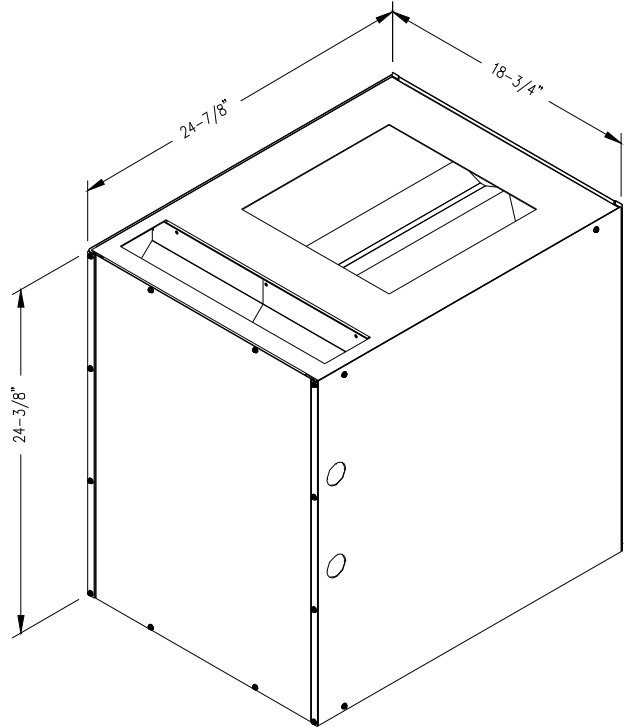
Combustible Floor Base Model: 70-BASE



Cottage Base Model: 01COT-BASE



Coil Cabinet Model: CE111S



Coil Cabinet Model: CE211T

- SEE NEXT PAGE FOR MORE DATA -

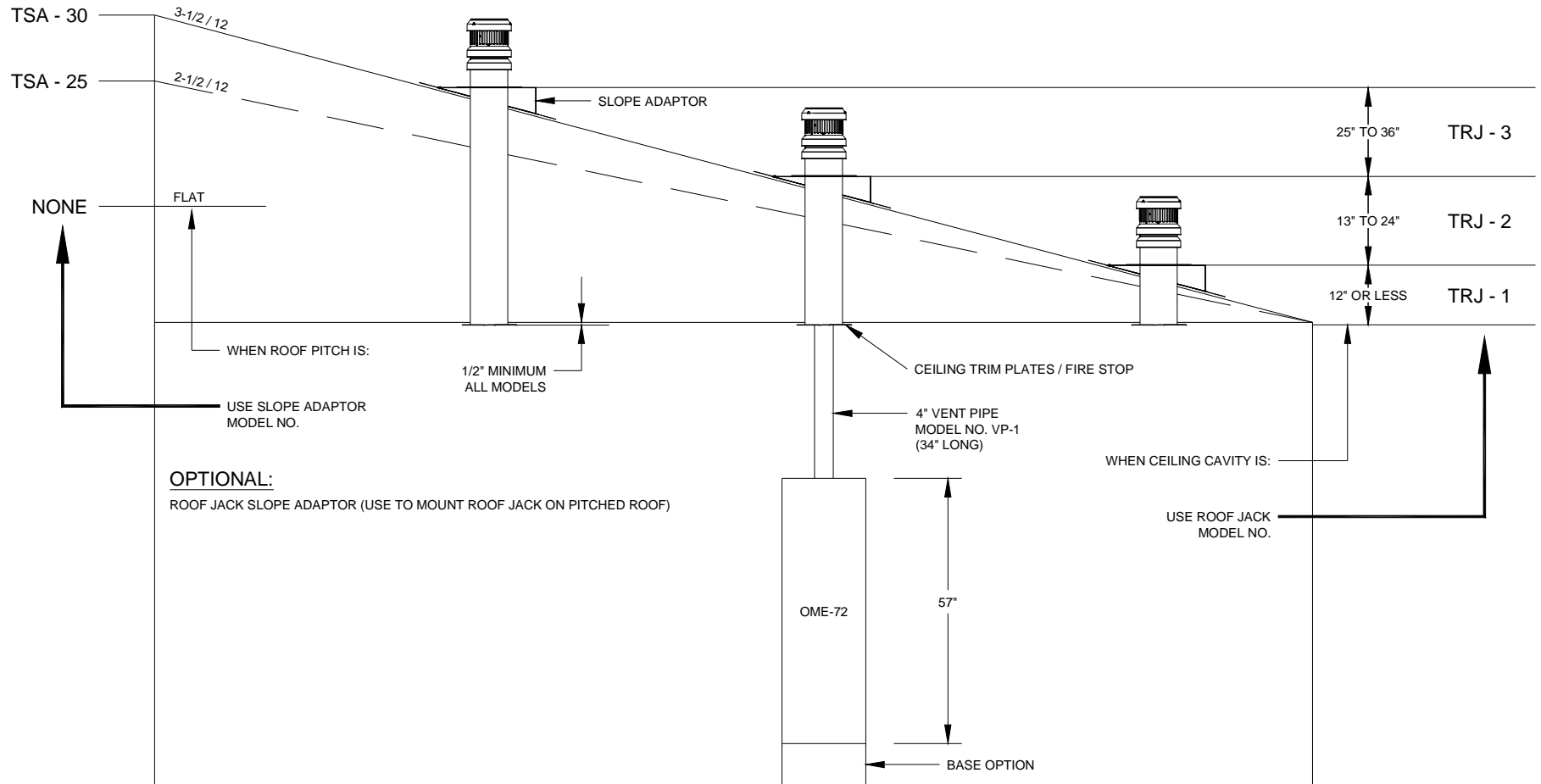
OIL-FIRED MOBILE HOME FURNACE SPECIFICATIONS

A/C EVAPORATOR COIL APPLICATION

C O U N T E R F L O W	Furnace Model Number	AC Tonnage	Line Set	Cond. Model Number	Coil Cabinet	Coil Model Number	Capacity	EER	SEER	AHRI Reference Number
	OME-72D36 OME-72T36	2	LS01E-30 LS01E-50	TC4B2421H	CE111S	HE33636UA170	23000	12.20	14.00	9136135
				-	-	-	-	-	-	-
		2.5	LS01E-30 LS01E-50	TC7B2421S	CE111S	HE33636UA170	23600	12.50	15.00	9136145
				-	-	-	-	-	-	-
		3	LS01E-30 LS01E-50	TC4B3021H	CE111S	HE33636UA170	29400	11.70	14.00	9136137
				-	-	-	-	-	-	-
	3	LS01E-30 LS01E-50	TC7B3021S	CE111S	HE33636UA170	28000	12.50	15.00	9136147	
			-	-	-	-	-	-	-	
	3	LS01E-30 LS01E-50	TC4B3621H	CE111S	HE33636UA170	34400	11.70	14.00	9136139	
-			-	-	-	-	-	-		
3	LS01E-30 LS01E-50	TC7B3621S	CE111S	HE33636UA170	34800	12.20	15.00	9136149		
		-	-	-	-	-	-	-		

SEE NEXT PAGE FOR MORE DATA

OME-72 SPECIFICATIONS





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

MODEL NO.	GMD1-60		GMD1-80	
HEAT INPUT RATE (BTUH)	60,000		80,000	
OUTPUT (BTUH) ¹	49,000		65,000	
SEASONAL EFFICIENCY ²	82		81	
LARGEST REC A/C ³	2.5 TONS		2.5 TONS (AS SHIPPED) 3 TONS WITH UPGRADE KIT	
FUEL	NAT	LP	NAT	LP
BURNER ORIFICE	#38	#52	2.45mm	#53
GAS SUPPLY PRESSURE (IN W.G.)				
MINIMUM REQUIRED	5.5	11	5.5	11
MAXIMUM ALLOWED	14.0	14.0	14.0	14.0
GAS MANIFOLD PRESSURE (IN W.G.)	3.5±0.3	10±0.3	3.5±0.3	10±0.3
NOMINAL TEMP. RISE	60°		70°	
VENT PIPE SIZE (IN.)			4"	
CASING HEIGHT (IN.)			57"	
CASING WIDTH (IN.)			18"	
CASING DEPTH (IN.)			25 ¾"	
APPROX. SHIPPING WEIGHT (LBS.)			165 LBS.	
APPROVAL AGENCY			ETL	
SIZE OF PERM. FILTER			18" X 24"	
ELECTRICAL REQUIREMENTS			115 VAC/ 60 HZ/ 1 PHASE	
MAX FUSE SIZE			15 AMPS	
TOTAL RATED CURRENT AMPS.			7.15	
SUPPLY AIR OUTLET SIZE (W-IN X D-IN)			12" X 12"	
RETURN AIR INLET OPENING SIZE			14" X 22"	
NOMINAL HEAT ANTICIPATOR SETTING			0.8 mA	
	ACCESSORY ITEMS			
PROGRAMMABLE T-STAT STD/DELUXE	350164 / 350165			
MOBILE HOME BASE	70-BASE			
COTTAGE BASE	01COT-BASE			
COIL CABINET	CE111S / CE211T			
3 TON A/C UPGRADE KIT (GMD1-80 ONLY)	AOPS2677			
ROOF JACK 12" OR LESS	TRJ-1			
ROOF JACK 13" TO 24"	TRJ-2			
ROOF JACK 25" TO 36"	TRJ-3			
SLOPE ADAPTOR 2-1/2-12	TSA-25			
SLOPE ADAPTOR 3-1/2-12	TSA-30			

- SEE NEXT PAGE FOR MORE DATA -

¹ OUTPUT BTUH BASED ON ANNUAL FUEL UTILIZATION EFFICIENCY RATED BY MANUFACTURER.

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

³ 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
	FUEL	MOBILE HOME	CONFIGURATION	VERSION		INPUT		FUEL TYPE
GAS FURNACE MODEL NOMENCLATURE EXAMPLE MODEL NUMBERS	G	M	D	1	-	6	0	N
	G	M	D	1	-	8	0	N
G= GAS	G							
M= MOBILE HOME		M						
D= DOWNFLOW			D					
1= VERSION				1				
					-			
INPUT IN MBTUH (1000'S)						6	0	
N= NATURAL GAS L= LIQUID PROPANE								N

- SEE NEXT PAGE FOR MORE DATA -

CLEARANCES TO COMBUSTIBLES

MODELS: GMD1-60 / GMD1-80	CLOSET	ALCOVE
FRONT	6"	18"
BACK	0"	0"
SIDES	0"	0"
ROOF JACK	0"	0"
VENT CONNECTOR	6"	6"
TOP	1"	1"
PLENUM SIDES	1"	1"
TOP AND SIDES OF DUCT	1"	1"
BOTTOM DUCT	1"	1"

BLOWER DATA

FURNACE MODEL	GMD1-60	GMD1-80	*GMD1-80
BLOWER MODEL	10-7R	10-9R	12-9T
MOTOR H.P.	1/3 HP	1/3 HP	1/2 HP
NO. OF SPEEDS	4	4	4
HIGH SPEED AIRFLOW (SCFM) @ 0.5 IN. W.G. EXTERNAL STATIC PRESSURE	1000	1000	1175
DIAMETER X WIDTH	10 X 7	10 X 9	12 X 9

*A/C UPGRADE KIT (SEE ACCESSORY ITEMS)

- SEE NEXT PAGE FOR MORE DATA -

GAS FIRED MOBILE HOME FURNACE SPECIFICATIONS

GMD1-60

ALTERATIONS REQ'D FOR A/C @ DESIGN EXTERNAL STATIC PRESSURE		
COOLING UNIT	HTG Speed	Recommended CLG Speed
24,000	LOW	MEDIUM LOW
30,000	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	779	759	747	727	694	660	581
ML	925	907	886	842	809	762	709
MH	1148	1096	1058	991	934	876	827
High	1271	1207	1147	1096	1029	954	890

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	58	60	61	63	66	69	78
ML	49	50	51	54	56	60	64
MH	40	42	43	46	49	52	55
High	36	38	40	42	44	48	51

Speed Tap \ Static Pressure	Furnace 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	2.56	2.45	2.37	2.24	2.11	1.99	1.81
ML	3.16	2.94	2.81	2.63	2.51	2.33	2.2
Med	3.73	3.47	3.31	3.12	2.94	2.76	2.64
MH	3.73	3.47	3.31	3.12	2.94	2.76	2.64
High	4.4	4.17	3.96	3.8	3.63	3.45	3.31

Speed Tap \ Static Pressure	Furnace Motor Watts vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	259	250	244	235	224	214	198
ML	327	309	300	282	271	255	243
MH	408	381	364	344	327	307	295
High	484	464	442	424	405	384	369

= Recommended operation range

- SEE NEXT PAGE FOR MORE DATA -

GAS FIRED MOBILE HOME FURNACE SPECIFICATIONS

GMD1-80

ALTERATIONS REQ'D FOR A/C @ DESIGN EXTERNAL STATIC PRESSURE		
COOLING UNIT	HTG Speed	Recommended CLG Speed
24,000	MED. LOW	MED. LOW /MED. HIGH
30,000	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
Low	784	758	722	682	629	578	506
ML	933	915	886	813	762	711	642
MH	1155	1114	1063	1000	902	817	766
High	1281	1226	1162	1105	1031	919	829

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	77	79	83	88	95	104	119
ML	64	66	68	74	79	84	93
MH	52	54	56	60	67	73	78
High	47	49	52	54	58	65	72

Speed Tap \ Static Pressure	Furnace 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	2.61	2.5	2.36	2.24	2.13	2.05	1.93
ML	3.12	3.02	2.91	2.7	2.55	2.43	2.28
MH	3.63	3.49	3.31	3.17	2.93	2.79	2.69
High	4.27	4.14	3.97	3.83	3.68	3.45	3.32

Speed Tap \ Static Pressure	Furnace Motor Watts vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	260	255	245	236	227	218	208
ML	321	315	306	285	275	266	251
MH	395	382	365	349	327	311	300
High	475	461	444	428	408	385	371

= Recommended operation range

- SEE NEXT PAGE FOR MORE DATA -
GAS FIRED MOBILE HOME FURNACE SPECIFICATIONS

GMD1-80 (3 TON A/C UPGRADE KIT)

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	829	809	781	748	709	677	609
ML	1022	995	964	926	888	825	781
MH	1216	1181	1142	1093	1041	987	920
High	1363	1315	1266	1218	1120	1115	1055

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	72	74	77	80	85	89	99
ML	59	60	62	65	68	73	77
MH	49	51	53	55	58	61	65
High	44	46	47	49	51	54	57

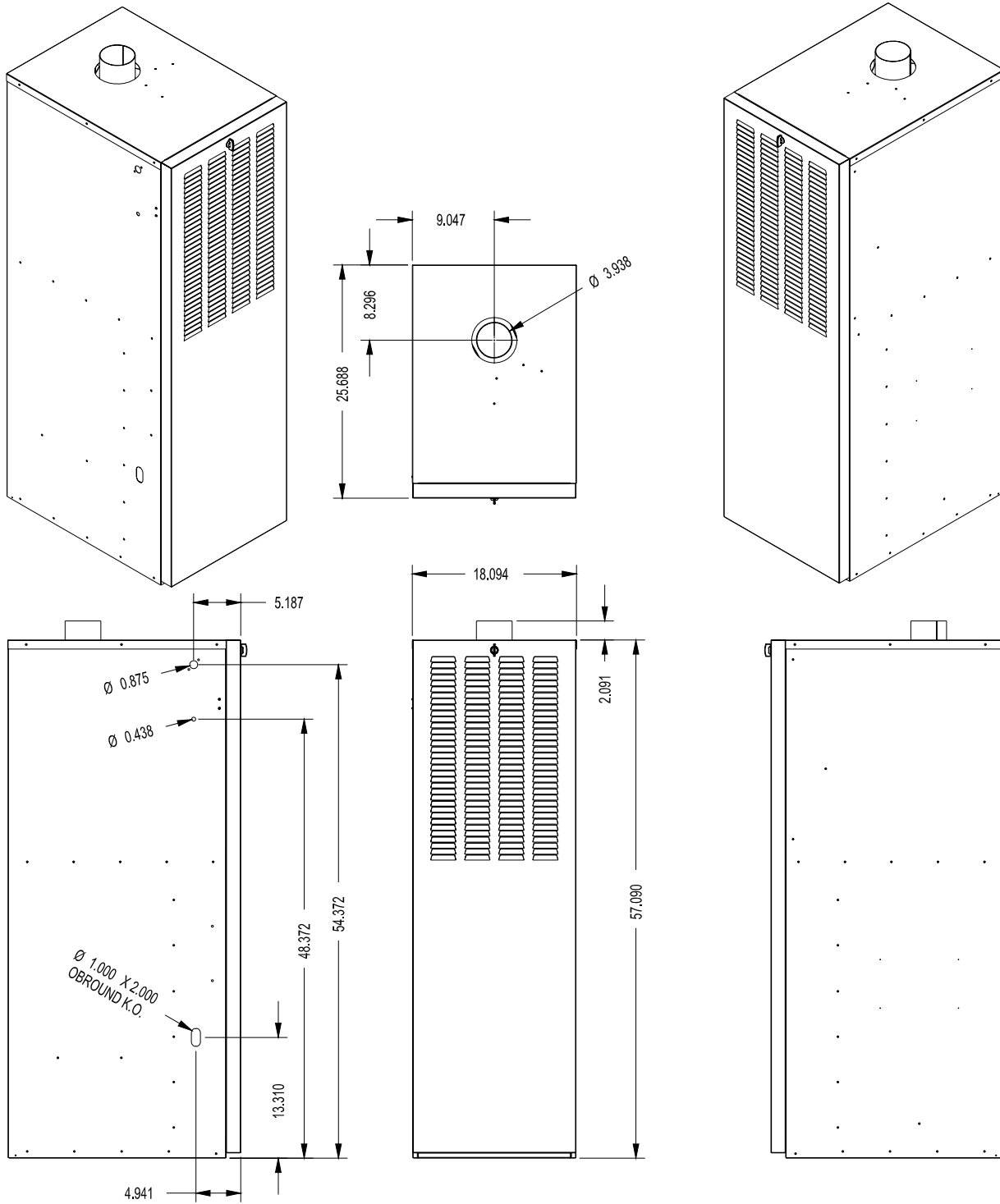
Speed Tap \ Static Pressure	Furnace Motor Current Draw (Amps) vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	3.07	2.97	2.85	2.74	2.62	2.54	2.42
ML	3.76	3.57	3.4	3.27	3.17	3.03	2.89
MH	4.38	4.22	4.12	3.93	3.77	3.6	3.45
High	5.15	4.97	4.84	4.71	4.58	4.47	4.33

Speed Tap \ Static Pressure	Furnace Motor Watts vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	306	300	293	285	276	269	258
ML	392	375	363	350	342	327	314
MH	470	457	445	428	411	397	379
High	563	547	529	517	501	491	474

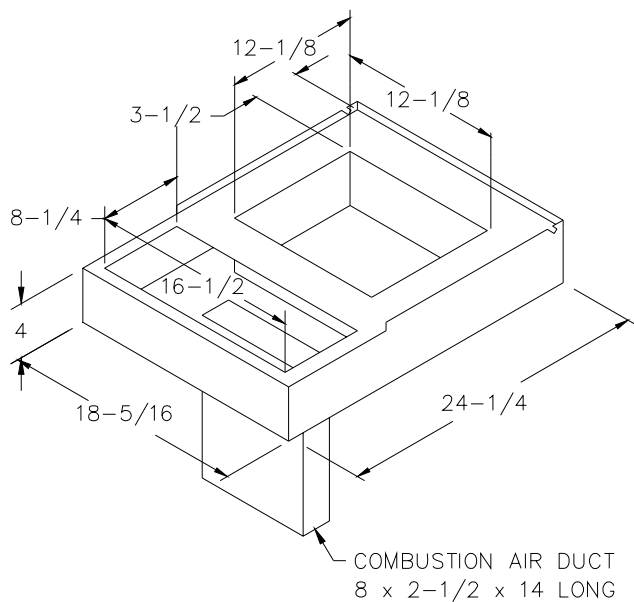
= Recommended operation range

- SEE NEXT PAGE FOR MORE DATA -

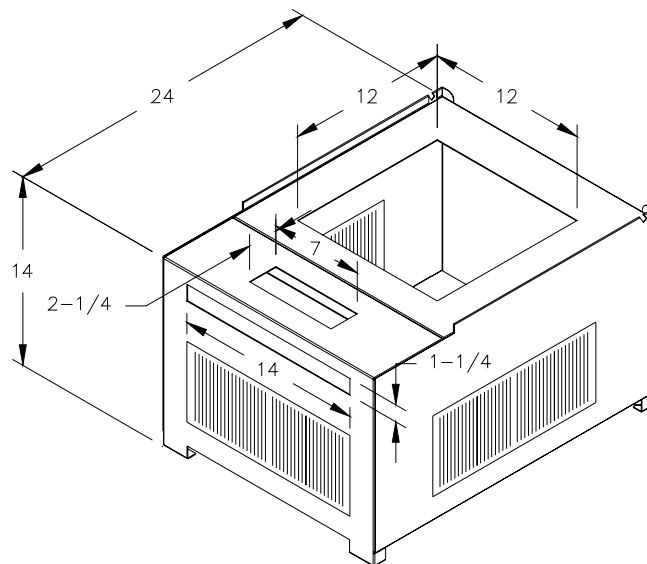
GAS FIRED MOBILE HOME FURNACE SPECIFICATIONS GMD1**



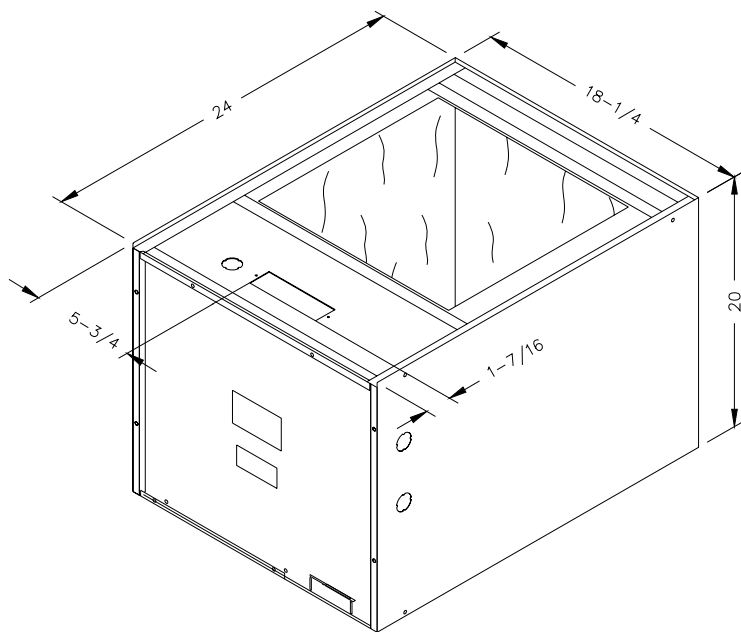
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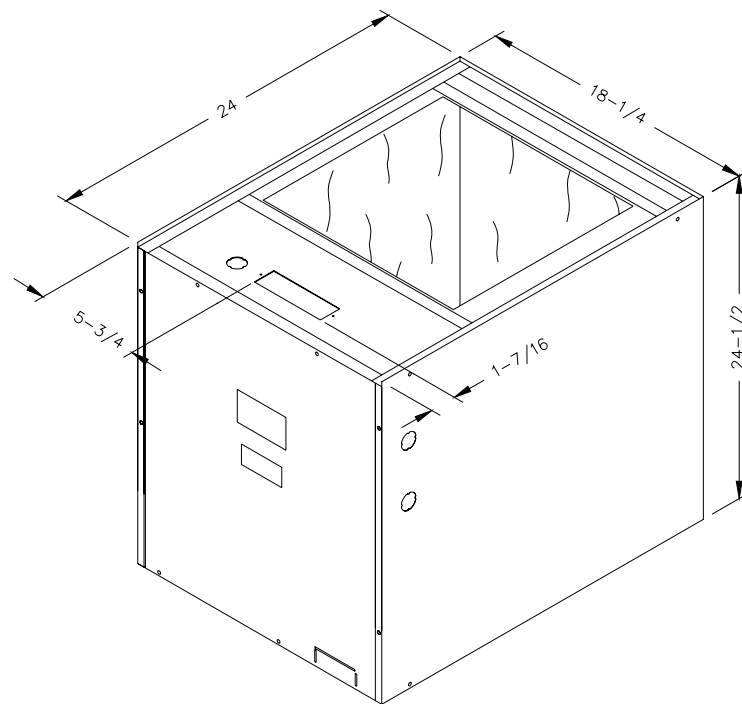
Combustible Floor Base Model: 70-BASE



Cottage Base Model: 01COT-BASE



Coil Cabinet Model: CE111S



Coil Cabinet Model: CE211T

- SEE NEXT PAGE FOR MORE DATA -

**GAS FIRED MOBILE HOME FURNACE SPECIFICATIONS
EVAPORATOR COIL APPLICATION**

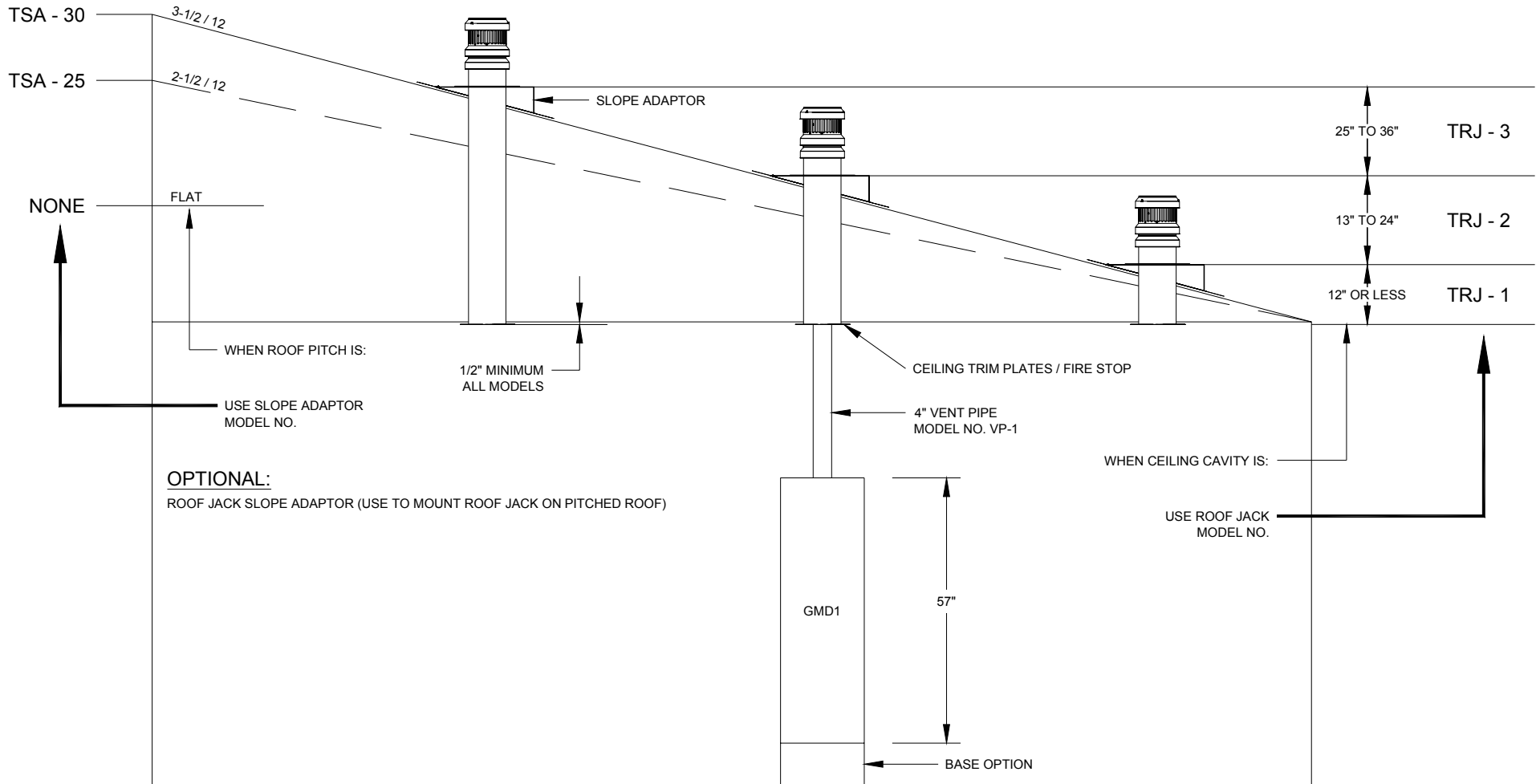
FURNACE MODEL	CONDENSER MODEL	LINE SET MODEL	COIL CABINET MODEL	EVAPORATOR COIL MODEL	SEER	EER	TOTAL (BTU/HR) HEAT REMOVAL	SENSIBLE HEAT REMOVAL
GMD1-60N	AC14241G2	LS01E-30 LS01E-50	CE111S	13U2430AB15	13.70	11.75	23,600	0.730
			CE111S	13U3030AB15	14.00	11.85	23,800	0.733
			CE211T	13U3036AB17	14.40	12.15	24,400	0.739
	AC14301G2	LS01E-30 LS01E-50	CE111S	13U2430AB15	13.70	11.90	28,000	0.737
			CE111S	13U3030AB15	14.00	12.05	28,400	0.739
			CE211T	13U3036AB17	14.50	12.40	29,200	0.746
GMD1-80N	AC14241G2	LS01E-30 LS01E-50	CE111S	13U2430AB15	13.70	11.75	23,600	0.730
			CE111S	13U3030AB15	14.00	11.85	23,800	0.733
			CE211T	13U3036AB17	14.40	12.15	24,400	0.739
	AC14301G2	LS01E-30 LS01E-50	CE111S	13U2430AB15	13.70	11.90	28,000	0.737
			CE111S	13U3030AB15	14.00	12.05	28,400	0.739
			CE211T	13U3036AB17	14.50	12.40	29,200	0.746
	AC14361G2 ¹	LS03E-30 LS03E-50	CE111S	13U2430AB15	13.40	11.50	32,600	0.736
			CE111S	13U3030AB15	13.70	11.70	33,200	0.740
			CE211T	13U3036AB17	14.00	11.95	34,000	0.750

¹ 3 TON UPGRADE KIT REQUIRED

Rev: 3/31/11

- SEE NEXT PAGE FOR MORE DATA -

GMD1** SPECIFICATIONS





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

MODEL NO.	CMA3-50D36		CMA3-75D36	
HEAT INPUT RATE (BTUH)	50,000		75,000	
OUTPUT (BTUH) ¹	48,000		72,000	
SEASONAL EFFICIENCY ²	95%		95%	
LARGEST REC A/C ³	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	
	ACCESSORY ITEMS			
MOBILE HOME BASE	70BASE		70BASE	
COTTAGE BASE	01COT-BASE		01COT-BASE	
COIL CABINET FOR 2 TON	CE111S		CE111S	
COIL CABINET FOR 2.5 & 3 TON	CE211T		CE211T	
CONCENTRIC VENT KIT (FOR 4" FLUE RJ)	AOPS7483		AOPS7483	
CONCENTRIC VENT KIT (FOR 5" FLUE RJ)	AOPS7544		AOPS7544	
DUAL PIPE FLASHING KIT	AOPS7484		AOPS7484	
BAYVENT SIDE WALL VENT KIT	370191		370191	
SLOPE ADAPTER 2-1/2 / 12	TSA-25		TSA-25	
SLOPE ADAPTER 3-1/2 / 12	TSA-30		TSA-30	
MINI CONDENSATE PUMP	350224		350224	
NEUTRALIZING KIT	320095		320095	

1 OUTPUT BTUH BASED ON ANNUAL FUEL UTILIZATION EFFICIENCY RATED BY MANUFACTURER.

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

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

- SEE NEXT PAGE FOR MORE DATA -

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	C	M	A	3	-	5	0	D	3	6	N
	C	M	A	3	-	7	5	D	3	6	N
C=CONDENSING	C										
M= MOBILE HOME		M									
VERSION			A								
VERSION				3							
					-						
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

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

BLOWER DATA

FURNACE MODEL	CMA3-50	CMA3-75
BLOWER MODEL	12-9T	12-9T
MOTOR H.P.	½ HP	½ HP
NO. OF SPEEDS PSC	4	4
HIGH SPEED AIRFLOW (SCFM) @ 0.5 IN. W.G. EXTERNAL STATIC PRESSURE	1162	1259
DIAMETER X WIDTH	12 X 9	12 X 9

- SEE NEXT PAGE FOR MORE DATA -

GAS FIRED CONDENSING MOBILE HOME FURNACE SPECIFICATIONS

CMA3-50D36

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

CMA3-75D36

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
Low	817	797	773	730	668	620	555
ML	1019	995	959	918	869	821	760
MH	1257	1210	1174	1125	1076	1024	959
High	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
Low	81	83	85	90	90	106	119
ML	65	66	69	72	76	80	87
MH	52	55	56	59	61	64	69
High	45	46	48	50	52	55	59

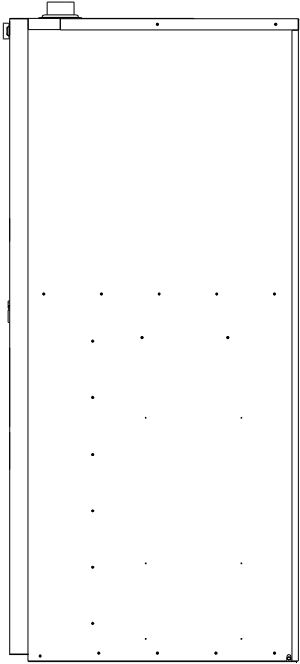
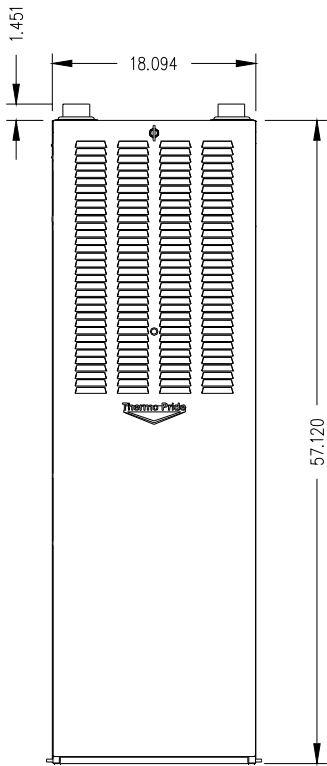
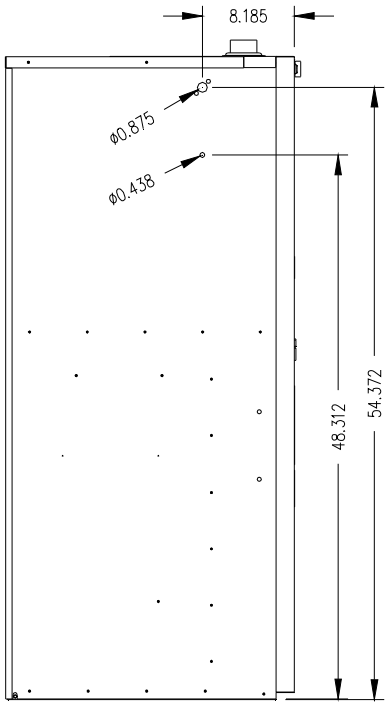
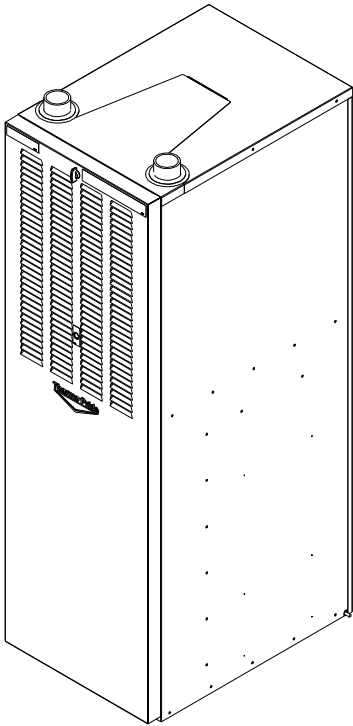
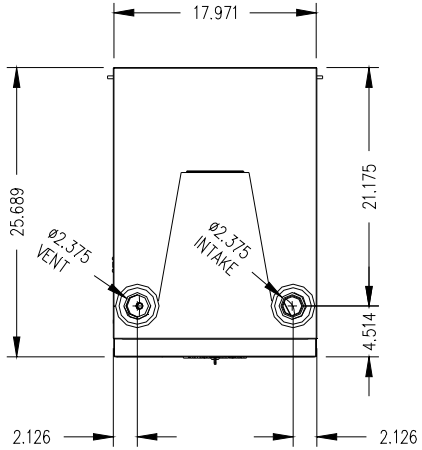
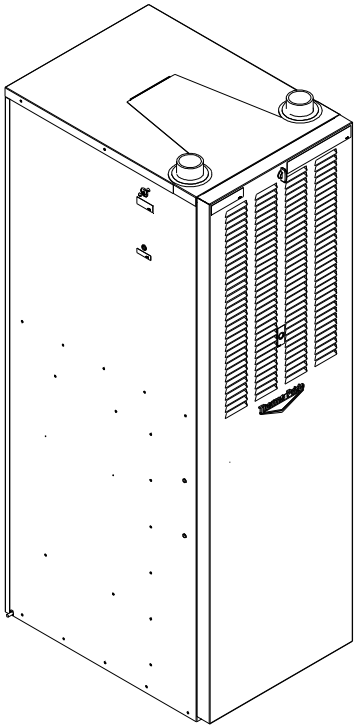
Speed Tap \ Static Pressure	Blower Motor Current Draw (Amps) vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	3.1	3.0	2.9	2.8	2.7	2.6	2.5
ML	3.9	3.8	3.6	3.5	3.3	3.2	3.1
MH	4.8	4.6	4.4	4.2	4.1	4.0	3.8
High	5.7	5.5	5.4	5.2	5.1	5.0	4.8

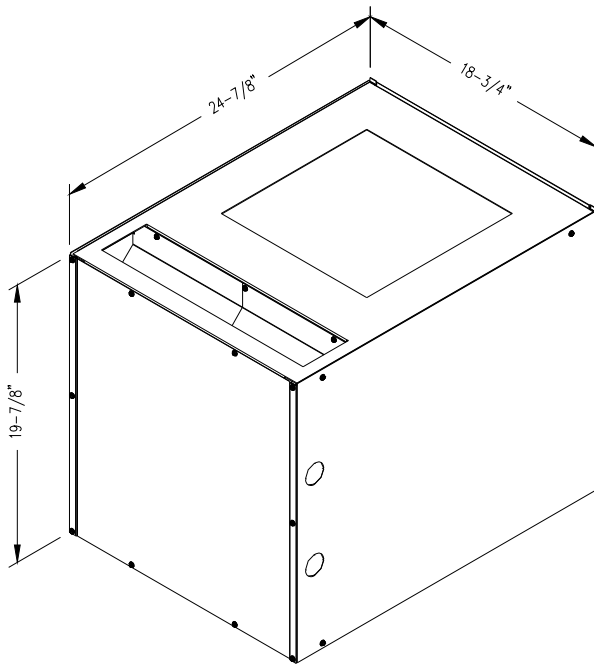
Speed Tap \ Static Pressure	Blower Motor Watts vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	312	303	298	291	280	273	264
ML	400	390	381	366	354	342	330
MH	513	490	478	462	447	432	413
High	624	605	591	573	556	542	522

= Recommended operation range

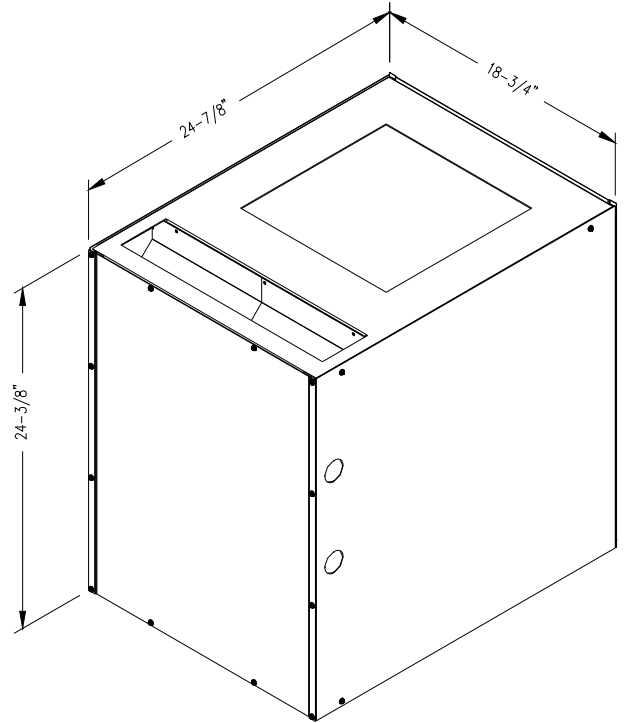
- SEE NEXT PAGE FOR MORE DATA -

GAS FIRED CONDENSING MOBILE HOME FURNACE SPECIFICATIONS CMA3

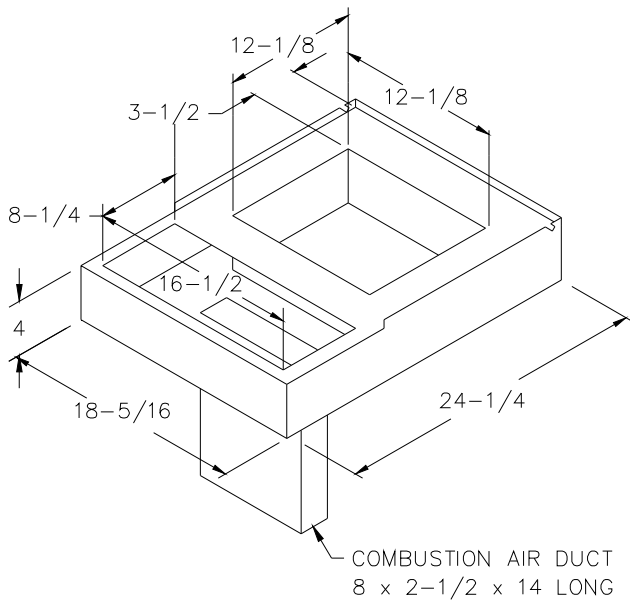




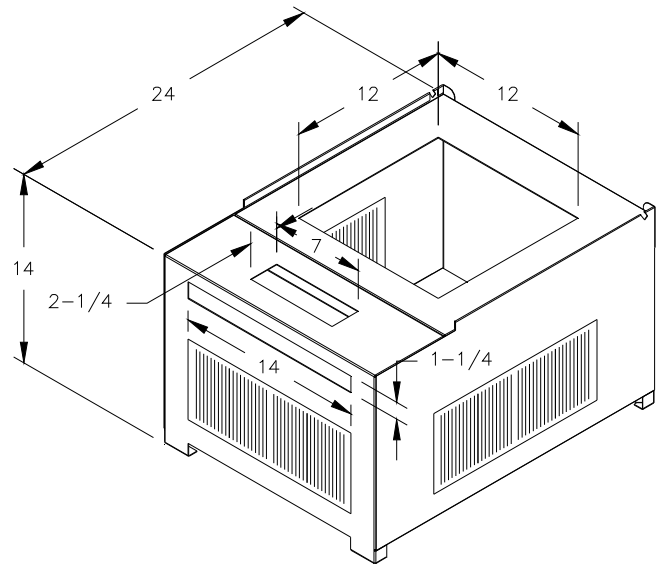
Coil Cabinet Model: CE111S



Coil Cabinet Model: CE211T

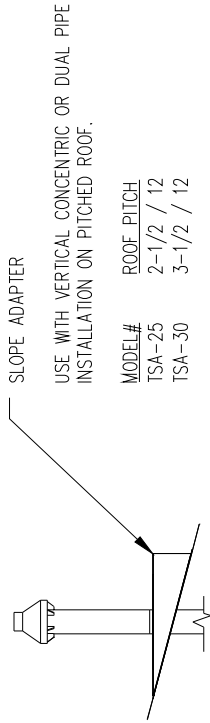


Combustible Floor Base Model: 70-BASE

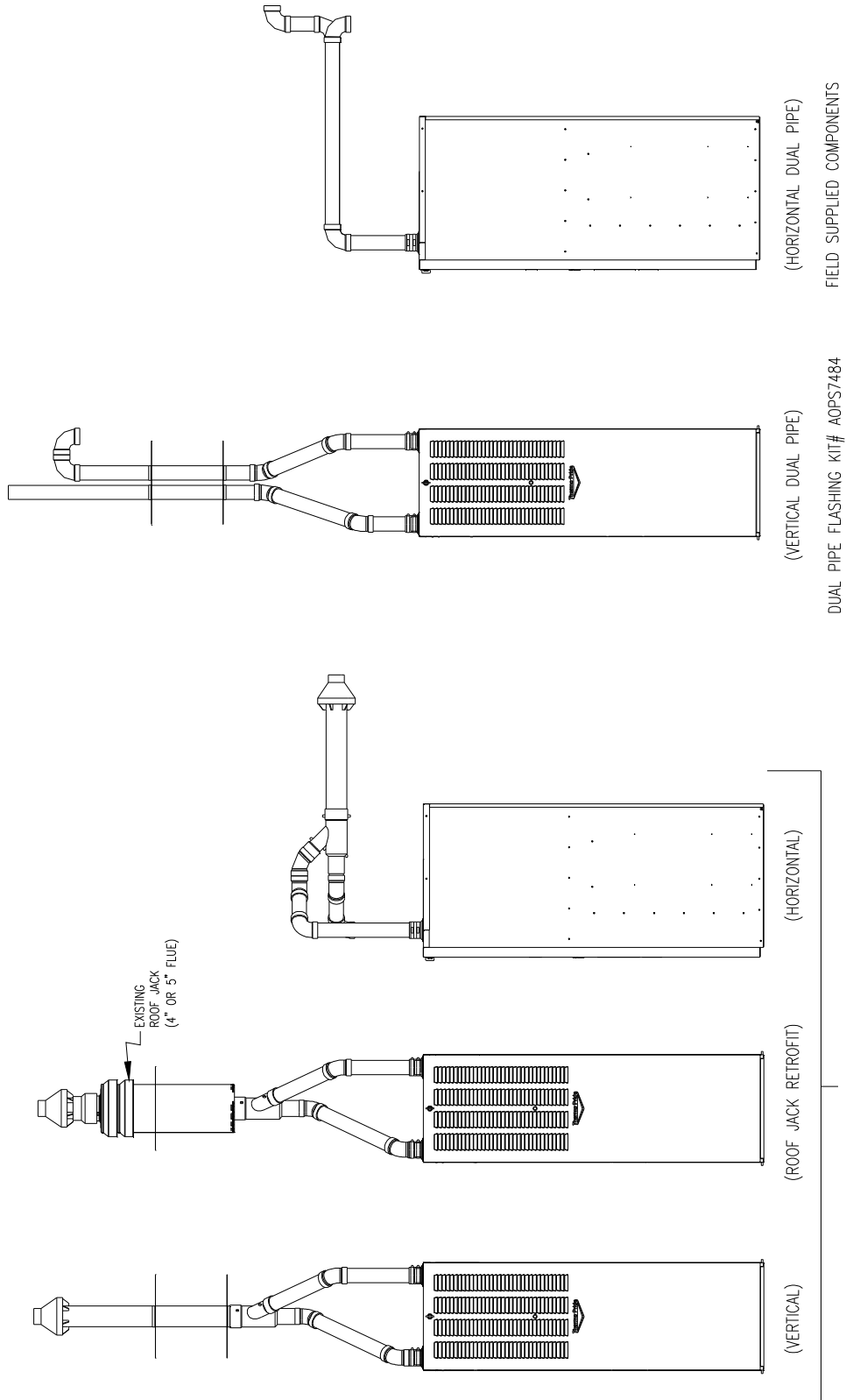


Cottage Base Model: 01COT-BASE

GAS FIRED CONDENSING MOBILE HOME FURNACE SPECIFICATIONS VENT OPTIONS



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



CONCENTRIC VENT KIT#
AOPF7483 (4" FLUE ROOF JACK)
AOPF7544 (5" FLUE ROOF JACK)



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

MODEL NO.	CMC1-50D36 (DV3)		CMC1-75D36 (DV3)	
HEAT INPUT RATE (BTUH)	50,000		75,000	
OUTPUT (BTUH) ¹	48,000		72,000	
SEASONAL EFFICIENCY ²	95%		95%	
LARGEST REC A/C ³	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.)	76 1/8"		76 1/8"	
CASING WIDTH (IN.)	18 3/4"		18 3/4"	
CASING DEPTH (IN.)	25 3/4"		25 3/4"	
APPROX. SHIPPING WEIGHT (LBS.)	195 LBS.		205 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	
	ACCESSORY ITEMS			
CONCENTRIC VENT KIT (FOR 4" FLUE RJ)	AOPS7483		AOPS7483	
CONCENTRIC VENT KIT (FOR 5" FLUE RJ)	AOPS7544		AOPS7544	
DUAL PIPE FLASHING KIT	AOPS7484		AOPS7484	
BAYVENT SIDE WALL VENT KIT	370191		370191	
SLOPE ADAPTER 2-1/2 / 12	TSA-25		TSA-25	
SLOPE ADAPTER 3-1/2 / 12	TSA-30		TSA-30	
MINI CONDENSATE PUMP	350224		350224	
NEUTRALIZING KIT	320095		320095	

1 OUTPUT BTUH BASED ON ANNUAL FUEL UTILIZATION EFFICIENCY RATED BY MANUFACTURER.

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

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

- SEE NEXT PAGE FOR MORE DATA -

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	C	M	C	1	-	5	0	D	3	6	N
	C	M	C	1	-	7	5	D	V	3	N
C=CONDENSING	C										
M= MOBILE HOME		M									
VERSION			C								
VERSION				1							
					-						
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

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

BLOWER DATA

FURNACE MODEL	CMC1-50	CMC1-75
BLOWER MODEL	12-9T	12-9T
MOTOR H.P.	½ HP	½ HP
NO. OF SPEEDS PSC/ECM	4/5	4/5
HIGH SPEED AIRFLOW (SCFM) @ 0.5 IN. W.G. EXTERNAL STATIC PRESSURE	1162	1259
DIAMETER X WIDTH	12 X 9	12 X 9

- SEE NEXT PAGE FOR MORE DATA -

GAS FIRED CONDENSING MOBILE HOME FURNACE SPECIFICATIONS

CMC1-50D36

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

CMC1-75D36

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
Low	817	797	773	730	668	620	555
ML	1019	995	959	918	869	821	760
MH	1257	1210	1174	1125	1076	1024	959
High	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
Low	81	83	85	90	90	106	119
ML	65	66	69	72	76	80	87
MH	52	55	56	59	61	64	69
High	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
Low	3.1	3.0	2.9	2.8	2.7	2.6	2.5
ML	3.9	3.8	3.6	3.5	3.3	3.2	3.1
MH	4.8	4.6	4.4	4.2	4.1	4.0	3.8
High	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
Low	312	303	298	291	280	273	264
ML	400	390	381	366	354	342	330
MH	513	490	478	462	447	432	413
High	624	605	591	573	556	542	522

= Recommended operation range

- SEE NEXT PAGE FOR MORE DATA -

CMC1-50DV3

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	700	639	567	497	437	387	332
ML	876	834	781	725	653	602	556
MED	990	948	907	857	811	756	700
MH	1174	1145	1107	1066	1026	987	942
High	1398	1365	1326	1299	1265	1252	1190

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	63	69	78	88	101	114	132
ML	50	53	56	61	67	73	79
MED	44	46	48	51	54	58	63
MH	37	38	40	41	43	45	47
High	31	32	33	34	35	35	37

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	1.1	1.1	1.2	1.2	1.2	1.3	1.4
ML	1.7	1.7	1.8	1.8	1.9	1.9	2.0
MED	2.2	2.2	2.3	2.4	2.5	2.5	2.5
MH	3.4	3.4	3.4	3.5	3.6	3.6	3.7
High	5.2	5.2	5.2	5.3	5.3	5.4	5.5

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	72	77	81	84	87	91	95
ML	123	127	133	137	141	145	148
MED	168	173	178	183	188	192	197
MH	266	272	277	284	290	296	301
High	438	442	445	450	455	461	468

= Recommended operation range

- SEE NEXT PAGE FOR MORE DATA -

GAS FIRED CONDENSING MOBILE HOME FURNACE SPECIFICATIONS

CMC1-75DV3

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
Low	970	935	898	846	802	765	710
ML	1043	998	968	928	880	830	785
MED	1148	1113	1080	1051	1007	968	929
MH	1212	1177	1142	1119	1083	1047	1023
High	1300	1272	1229	1211	1177	1144	1117

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	75	78	81	86	91	96	103
ML	70	73	76	79	83	88	93
MED	64	66	68	70	73	76	79
MH	60	62	64	65	67	70	71
High	56	57	59	60	62	64	65

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	2.4	2.5	2.5	2.6	2.6	2.7	2.7
ML	2.8	2.9	3.0	3.0	3.1	3.1	3.2
MED	3.6	3.7	3.7	3.8	3.8	3.9	3.9
MH	4.2	4.2	4.3	4.3	4.4	4.5	4.5
High	4.8	4.9	5.0	5.0	5.1	5.2	5.2

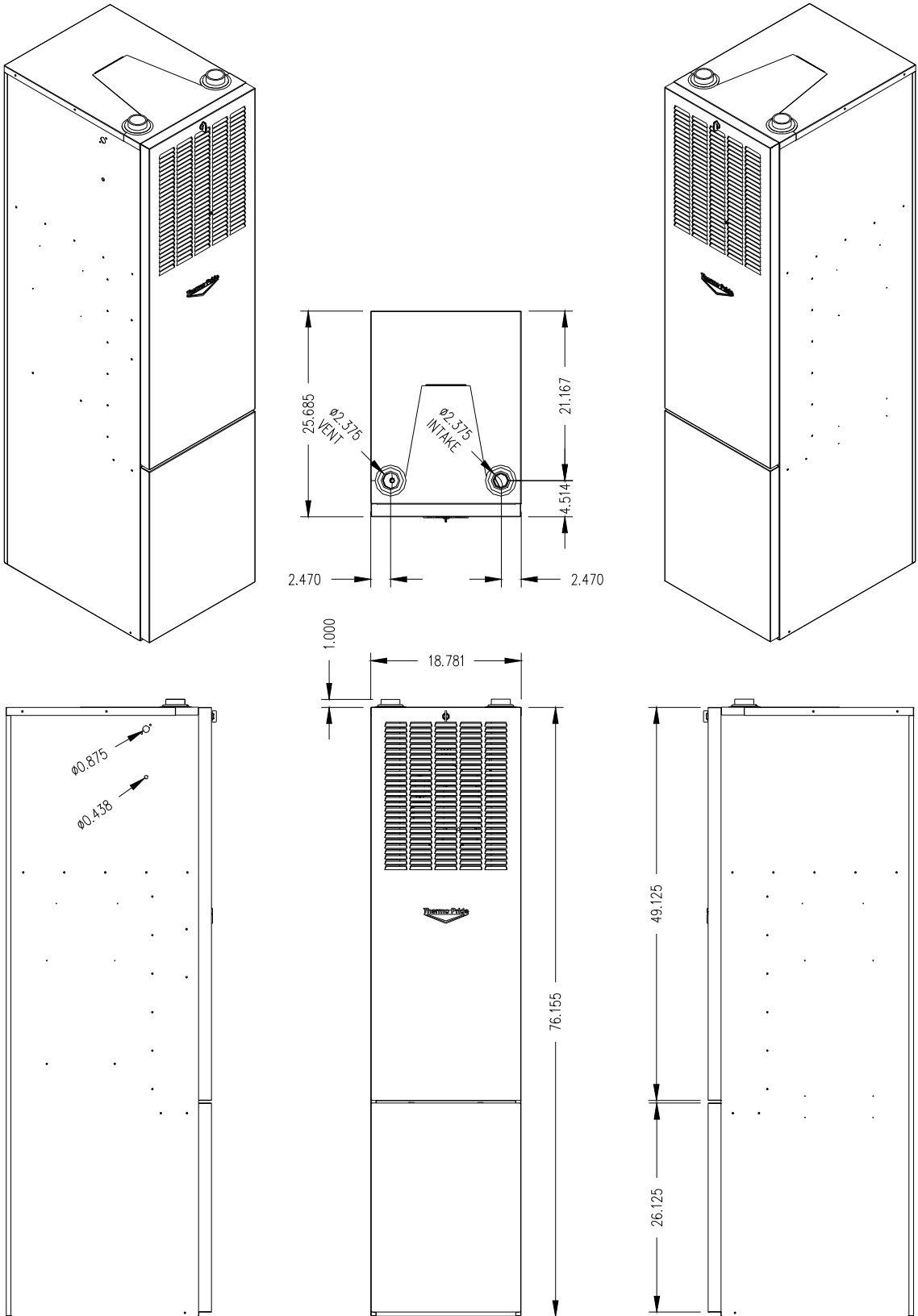
Speed Tap \ Static Pressure	Blower Motor Watts vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	187	190	195	200	204	206	211
ML	225	229	233	238	244	248	252
MED	290	295	299	303	310	315	320
MH	341	347	353	356	364	369	371
High	408	414	423	428	435	441	445



= Recommended operation range

- SEE NEXT PAGE FOR MORE DATA -

GAS FIRED CONDENSING MOBILE HOME FURNACE SPECIFICATIONS CMC1

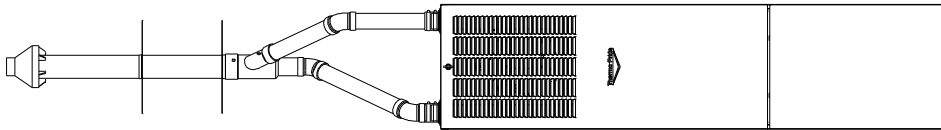
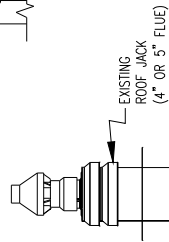
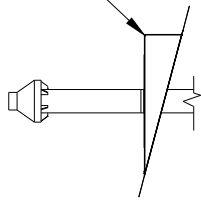


GAS FIRED CONDENSING MOBILE HOME FURNACE SPECIFICATIONS VENT OPTIONS

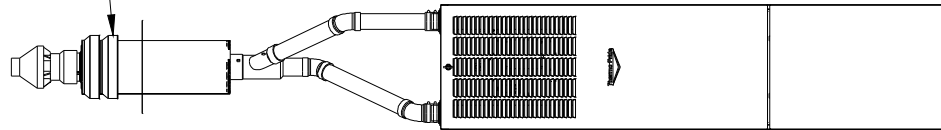
SLOPE ADAPTER

USE WITH VERTICAL CONCENTRIC OR DUAL PIPE
INSTALLATION ON PITCHED ROOF.

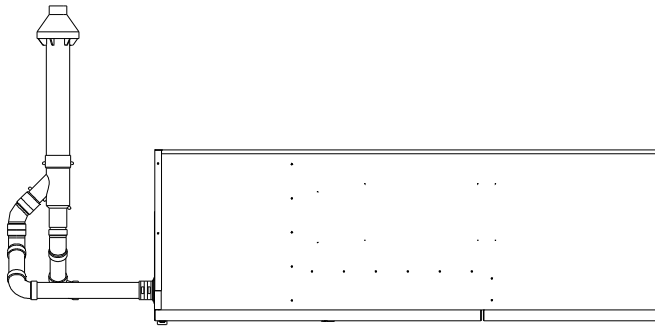
MODEL#	ROOF PITCH
TSA-25	2-1/2 / 12
TSA-30	3-1/2 / 12



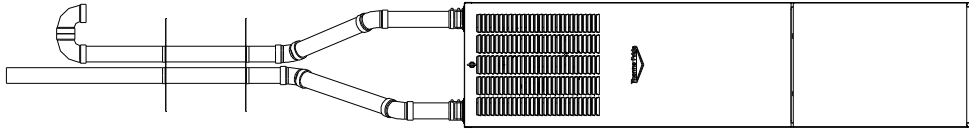
(VERTICAL)



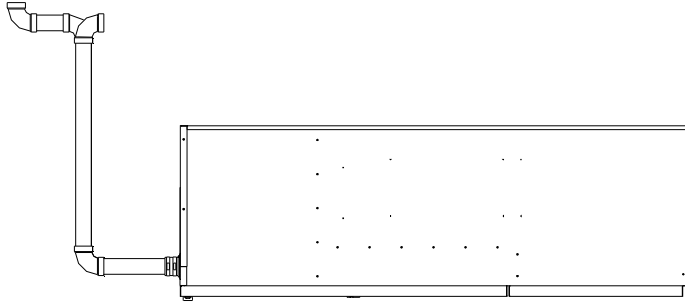
(ROOF JACK RETROFIT)



(HORIZONTAL)



(VERTICAL DUAL PIPE)



(HORIZONTAL DUAL PIPE)

DUAL PIPE FLASHING KIT# AOPF7484

FIELD SUPPLIED COMPONENTS

CONCENTRIC VENT KIT#
AOPF7483 (4" FLUE ROOF JACK)
AOPF7544 (5" FLUE ROOF JACK)

Gas Furnaces

Thermo Pride®

NEW Natural Gas
& Propane

*Multi-Position
Furnaces*

CLQS1 Series

**95%
AFUE**

Built Tough for Lifetime Comfort™



Thermo Pride Efficiency Equals Savings!

Multi-Position Compact Design

The CLQS1 Series furnaces are multi-position supporting all configurations, upflow, horizontal left or right and downflow with minimal conversion necessary. One model can suit all your needs! Conversion in about 15 minutes. The internal condensate trap can easily be configured to upflow, horizontal left or right and downflow easily reducing the complexity and installation time.



Traditional Craftsmanship

For over 70 years, Thermo Products, LLC has stood for handcrafted products and hometown values. During this time we have never lost sight of our heritage, our goal of producing the highest quality comfort products and our commitment to complete customer satisfaction.

Maximum Comfort

Maximum comfort starts with maximum durability and reliability. The CLQS1 Series gas furnaces are engineered to be extraordinarily efficient. These furnaces deliver 95% AFUE (Annual Fuel Utilization Efficiency) which means 95% of the fuel you pay for is converted into heat for your home. Thanks to its quiet performance and precise temperature control, you and your family will enjoy welcomed comfort and energy savings.

Features include a reduced height of 35" that will fit your home perfectly, quality heat exchanger construction, direct vent so no need for costly chimneys, enclosed vestibule and integrated combustion controls.



Peace of Mind Warranty

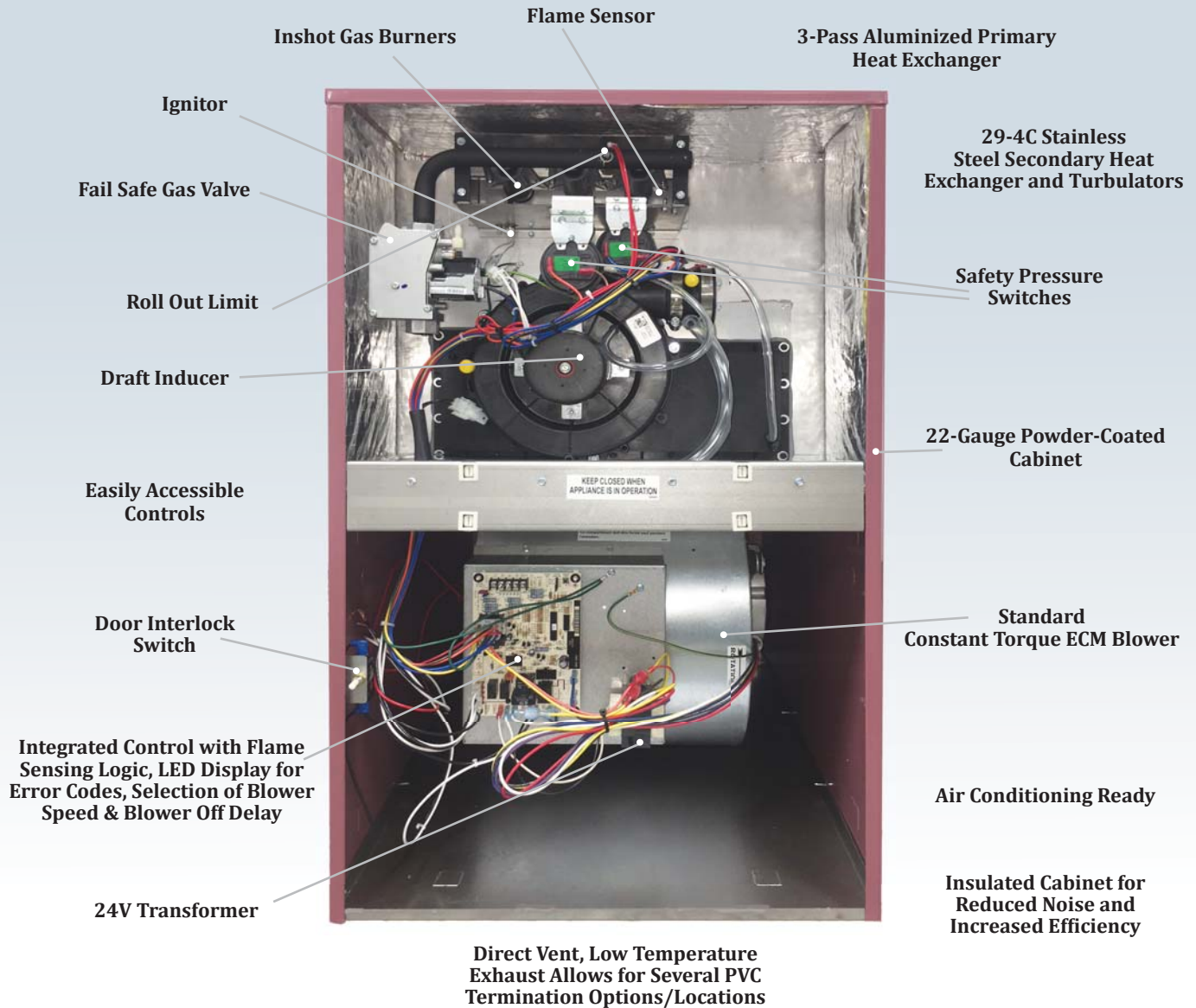
Thermo Pride gas furnaces include a 10-year Peace of Mind Plus Limited Warranty. If the heat exchanger fails within 10 years from the date of installation, we will provide a replacement furnace. Installation requirements must be met.

After the tenth year, the heat exchanger continues to be covered by our transferable Lifetime Limited Warranty. We also include a full 10-year parts warranty at no additional cost. Together, these make up Thermo Pride's unique "Peace of Mind Plus" warranty . . . our assurance to you that when you buy a Thermo Pride you are buying the best!



Features and Benefits

Multi-Position Design - Units are shipped in upflow configuration and setup for natural gas and include an LP gas conversion kit.

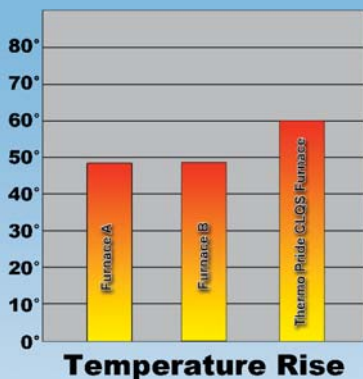


Direct Vent, Low Temperature Exhaust Allows for Several PVC Termination Options/Locations

Comfort/Temperature Rise

Comfort is the purpose behind any heating system and warmer air from the heat vents in your home means greater comfort for you and your family. "Temperature Rise" is the temperature difference between air entering and exiting the furnace. The higher the temperature rise the greater the warmth of the air when it enters your home.

Thermo Pride CLQS1 Series gas furnaces have a 60°F temperature rise, higher than other manufacturers' furnaces.



Energy Saving Efficiency

Thermo Products is proud to be an ENERGY STAR® Partner. Many of our products are ENERGY STAR qualified. Products that have earned the ENERGY STAR are designed to protect the environment through superior energy efficiency.

All CLQS1 Series models come equipped with an ECM constant torque blower motor that is Energy Star qualified.

Ask your Thermo Pride dealer about qualified units or go to www.energystar.gov for more details.



Specifications

Multi-Position Design: Units are shipped in upflow configuration and are setup for natural gas and include an LP gas conversion Kit.

MODEL NUMBER	CLQS1-050T36N	CLQS1-075T42N	CLQS1-100T48N	CLQS1-125T60N
MBH Input	50,000	75,000	100,000	125,000
MBH Output ¹	48,000	73,000	96,000	120,000
AFUE %²	95%	95%	95%	95%
Blower Motor³	ECM ★	ECM ★	ECM ★	ECM ★
Dimensions HxWxD (in)	34-1/2 x 17-1/2 x 28-1/2	34-1/2 x 21 x 28-1/2	34-1/2 x 21 x 28-1/2	34-1/2 x 24-1/2 x 28-1/2
Diameter of Flue (PVC) (in)	2	2	3	3
Diameter of Combustion Air Intake (PVC) (in)	2	2	3	3
Quantity and Size of Permanent Filters (in)	One 1 x 25 x 16	One 1 x 25 x 16	One 1 x 25 x 16	One 1 x 25 x 20
Maximum AC Capacity (tons)	3.0	3.5	4.0	5.0
Approximate Shipping Weight	155 lbs.	166 lbs.	183 lbs.	196 lbs.

1 MBH output based on AHRI Listing

2 Seasonal efficiency (Annual Fuel Utilization Efficiency)

3 Constant torque ECM Blower Motor



These models meet Energy Star requirements. Go to www.energystar.gov for qualifying unit details.

Please visit www.thermopride.com for all natural gas and propane furnace models.

Accessories

PART NO.	DESCRIPTION	FOR USE WITH
Accessories		
AOPS7547	Filter Rack	CLQS1-050T36N, CLQS1-075T42N, CLQS1-100T48N
AOPS7375	Filter Rack	CLQS1-125T60N
AOPS7488	2" Concentric Vent Kit	CLQS1-050T36N, CLQS1-075T42N
AOPS7489	3" Concentric Vent Kit	CLQS1-100T48N, CLQS1-125T60N
370191	Sidewall Vent Cap	All Models
320095	Neutralizer Kit	All Models
50CLQ-BASE	Combustible Floor Base	CLQS1-050T36N
125CLQ-BASE	Combustible Floor Base	CLQS1-075T42N, CLQS1-100T48N, CLQS1-125T60N
PK164X202	Supply Plenum 16 x 20	CLQS1-050T362N
PK202X202	Supply Plenum 20 x 20	CLQS1-075T42N, CLQS1-100T48N, CLQS1-125T60N
RD2510X2516	Return Air Drop	CLQS1-050T36N, CLQS1-075T42N, CLQS1-100T48N
RD2512X2520	Return Air Drop	CLQS1-125T60N
AOPS7768	Furnace Parts Kit	All Models
350224	Condensate Pump	All Models
Condensers and Cased Coils		
Refer to the product specifications for cross reference to condensers and cased coil matches. Specifications can be found at www.thermopride.com under Manuals/Specifications/Literature tab.		

Air Conditioning

Add Air Conditioning Condensers and Cased Coils

Add Thermo Pride air conditioning condenser and cased coils to your Thermo Pride gas furnaces for added indoor comfort.

Offered in two efficiency levels, the TC7 Series offers up to 16 SEER efficiencies while the TC4 Series offers 14 SEER efficiencies. The TC7 Series is approved for all U.S. Regions while the TC4 Series are approved for North and Southeast Regions. Both series meet the Department of Energy's efficiency rating requirements.



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www.thermopride.com



Visit us at www.thermopride.com

PL031010 Rev 010818
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SINGLE STAGE CONDENSING GAS QUADPOISE FURNACE SPECIFICATIONS

MODEL NO.	CLQS1-050T36N	CLQS1-075T42N	CLQS1-100T48N	CLQS1-125T60N
FUEL	GAS NAT/LP ⁴	GAS NAT/LP ⁴	GAS NAT/LP ⁴	GAS NAT/LP ⁴
INPUT BTUH	50,000	75,000	100,000	125,000
OUTPUT BTUH ¹	48,000	73,000	96,000	120,000
SEASONAL EFFICIENCY ²	95.0%	95.0%	95.0%	95.0%
LARGEST REC A/C ³	3 T	3.5 T	4 T	5 T
NOMINAL TEMP RISE	60°	60°	60°	60°
APPROX EFFECTIVE HEATING SURFACE	4225 SQ IN.	4490 SQ IN.	5550 SQ IN.	5815 SQ IN.
APPROX SHIPPING WEIGHT	155 LBS	166 LBS	183 LBS	196 LBS
APPROVAL AGENCY	ETL	ETL	ETL	ETL
DIA OF FLUE (PVC)	2"	2"	3"	3"
DIA OF COMBUSTION AIRINTAKE (PVC)	2"	2"	3"	3"
SUPPLY AIR OUTLET SIZE (W-IN x D-IN)	16-1/2" x 20" (20"x20") ⁵	20" x 20"	20" x 20"	20" x 20"
RETURN AIR DUCTWORK CONNECTION ON FILTER RACK (D-IN x H-IN)	24-1/2" x 15"	24-1/2" x 15"	24-1/2" x 15"	23-3/4" x 19"
CASING (TO BE CUTOUT BY DEALER) (D-IN x H-IN)	23-1/8" x 14-1/8"	23-1/8" x 14-1/8"	23-1/8" x 14-1/8"	23-1/8" x 14-1/8"
QTY AND SIZE OF PERMANENT FILTERS	ONE 1" x 25" x 16"	ONE 1" x 25" x 16"	ONE 1" x 25" x 16"	ONE 1" x 25" x 20"
ELECTRICAL RATING	115V 60HZ 1PH	115V 60HZ 1PH	115V 60HZ 1PH	115V 60HZ 1PH
MAX FUSE SIZE	15 AMP	15 AMP	15 AMP	15 AMP
ACCESSORY ITEMS				
COMBUSTIBLE FLOOR BASE	50CLQ-BASE	125CLQ-BASE	125CLQ-BASE	125CLQ-BASE
CE COIL CABINET	CE215T	CE216T	CE216T	CE217T
FILTER RACK	AOPS7547	AOPS7547	AOPS7547	AOPS7375
CONCENTRIC VENT KIT	AOPS7488	AOPS7488	AOPS7489	AOPS7489
SIDEWALL VENT CAP	370191	370191	370191	370191
NEUTRALIZER KIT	320095	320095	320095	320095
CONDENSATE PUMP	350224	350224	350224	350224
SUPPLY PLENUM	PK164X202	PK202X202	PK202X202	PK202X202
RETURN AIR DROP	RD2510X2516	RD2510X2516	RD2510X2516	RD2512X2520
FURNACE PARTS KIT	AOPS7768	AOPS7768	AOPS7768	AOPS7768

¹ OUTPUT BTUH BASED ON AHRI LISTING.

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

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

⁴ LP CONVERSION KIT SHIPPED WITH FURNACE.

⁵ PLENUM ADAPTERS INCLUDED WITH UNIT MUST BE INSTALLED FOR 20"x20" PLENUM.

ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

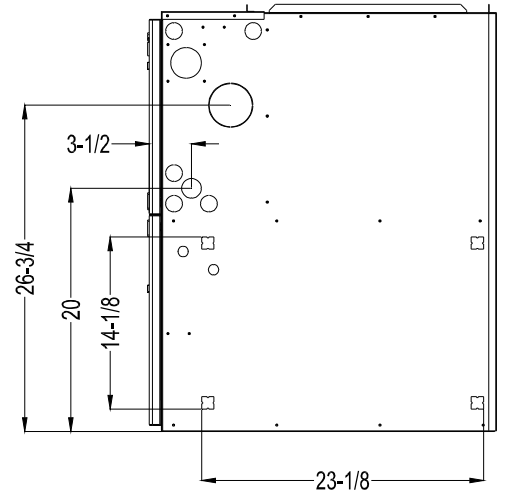
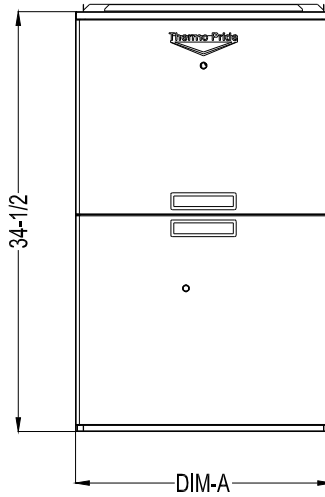
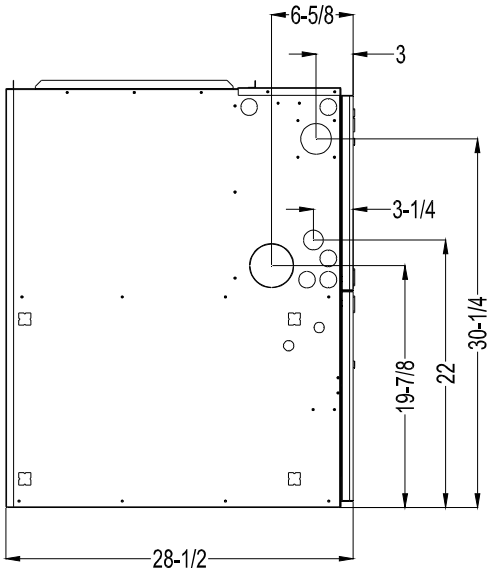
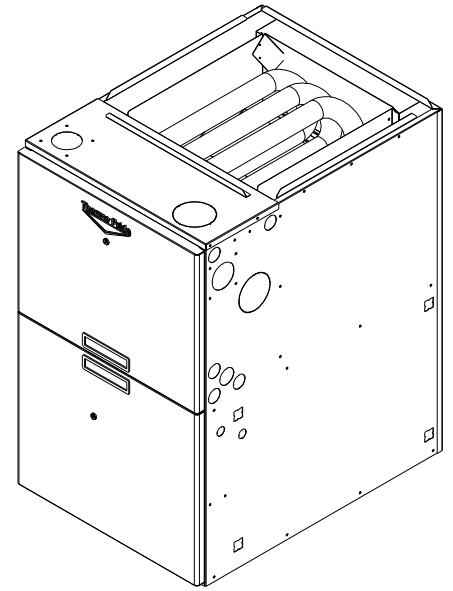
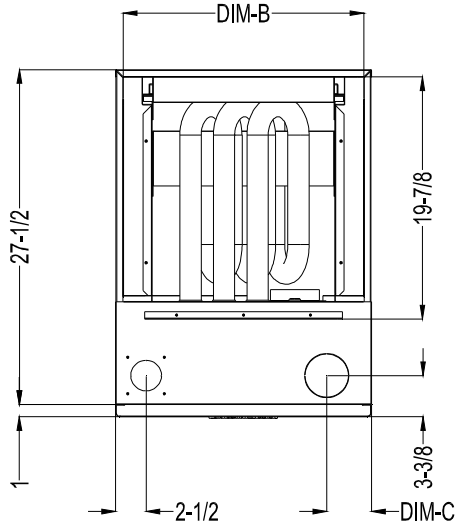
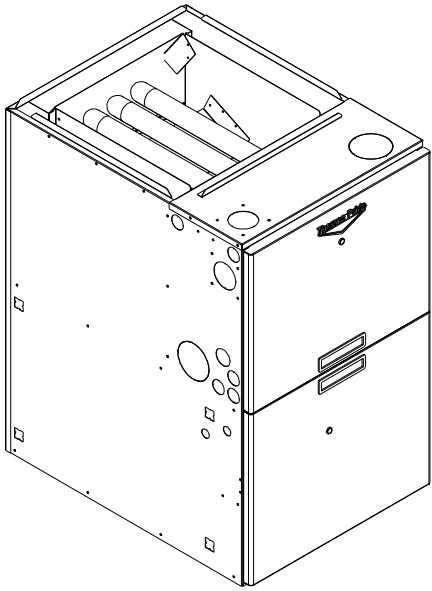
SEE NEXT PAGE FOR MORE DATA -

SINGLE STAGE CONDENSING GAS QUADPOISE FURNACE SPECIFICATIONS

Model Number Digit	1	2	3	4	5	6	7	8	9	10	11	12	13
	Category	Profile	Configuration	Staging	Version		Input	Input	Input	Motor Type	Clg Airflow Cap	Clg Airflow Cap	Gas Type
Gas Furnace Model Nomenclature Example Model Numbers	C	L	Q	S	1	-	0	7	5	T	4	2	N
C = Condensing	C												
L = Low-profile		L											
Q = Quadpoise			Q										
Stage: S = Single				S									
Version (Rev)					1								
Input Capacity in MBTUH (1000)						-	0	7	5				
Motor Type: T = CTM										T			
Cooling Airflow Capacity in MBTUH (1000)											4	2	
Gas Type: N = Natural, P = Liquid Propane													N

SEE NEXT PAGE FOR MORE DATA -

SINGLE STAGE CONDENSING GAS QUADPOISE FURNACE SPECIFICATIONS

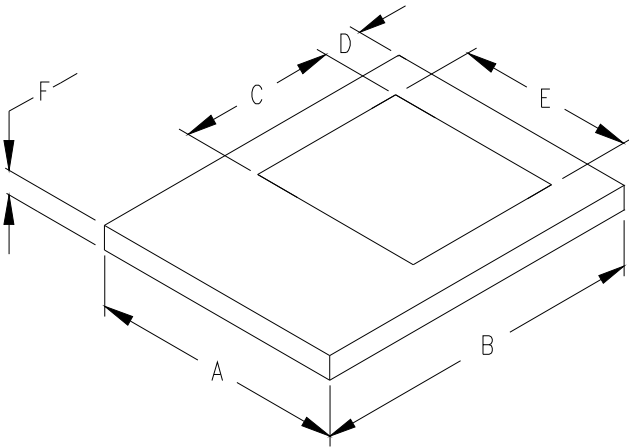


DIM/UNIT	-050	-075	-100	-125
A	17-1/2	21	21	24-1/2
B	16-3/8	19-7/8	19-7/8	19-7/8
C	2-1/8	3-3/4	2-1/8	3-3/4

SEE NEXT PAGE FOR MORE DATA -

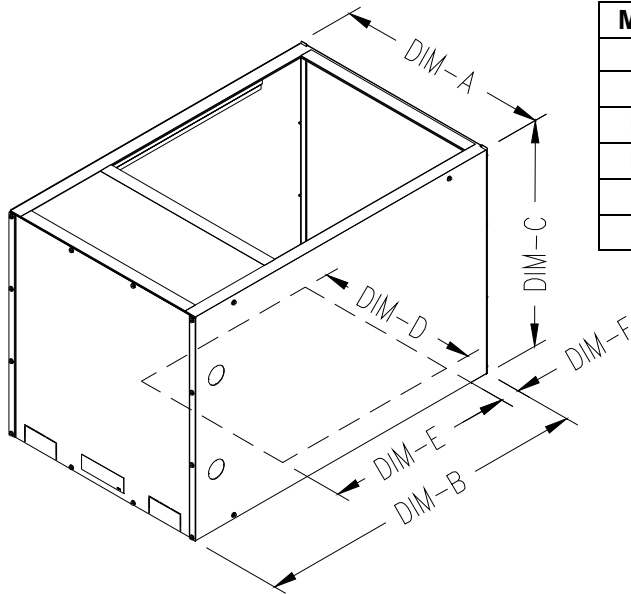
SINGLE STAGE CONDENSING GAS QUADPOISE FURNACE SPECIFICATIONS

COMBUSTIBLE FLOOR BASE



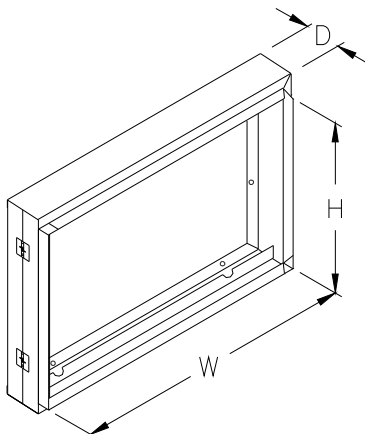
MODEL	50CLQ-BASE	125CLQ-BASE
DIM - A	20-1/2"	24-1/2"
DIM - B	30"	30"
DIM - C	20"	20"
DIM - D	2"	2"
DIM - E	16-3/8"	19-7/8"
DIM - F	2"	2"

CE COIL CABINET



MODEL	CE215T	CE216T	CE217T
DIM - A	17-3/4"	21-1/4"	24-3/4"
DIM - B	27-7/8"	27-7/8"	27-7/8"
DIM - C	18-1/2"	28-1/2"	28-1/2"
DIM - D	14"	16"	16"
DIM - E	16-1/2"	16-1/2"	16-1/2"
DIM - F	1-1/2"	1-1/2"	1-1/2"

FILTER RACK SPECIFICATIONS



FILTER RACK DIMENSIONS			
MODELS	RETURN AIR PLENUM FLANGE		DEPTH OF RACK
	H	W	D
AOPS7547	15"	24-1/2"	2-1/8"
AOPS7375	19"	23-3/4"	6-1/8"

SEE NEXT PAGE FOR MORE DATA -

BLOWER DATA:	CLQS1-050T36N	CLQS1-075T42N	CLQS1-100T48N	CLQS1-125T60N
BLOWER MODEL (DIRECT DRIVE)	10-9R	10-10R	10-10R	12-11T
MOTOR H.P. (CTM)	1/2 - 5SP	1/2 - 5SP	3/4 - 5SP	3/4 - 5SP

BURNER DATA				
BURNER TYPE	INSHOT	INSHOT	INSHOT	INSHOT
NO. PER UNIT	2	3	4	5
MAX INLET PRESSURE (NAT)	14" WC	14" WC	14" WC	14" WC
MIN INLET PRESSURE (NAT)	4.5" WC	4.5" WC	4.5" WC	4.5" WC
MAX INLET PRESSURE (LP)	14" WC	14" WC	14" WC	14" WC
MIN INLET PRESSURE (LP)	11" WC	11" WC	11" WC	11" WC
NORMAL MANIFOLD PRESS (NAT)	3.5" WC	3.5" WC	3.5" WC	3.5" WC
NORMAL MANIFOLD PRESS (LP)	10.0" WC	10.0" WC	10.0" WC	10.0" WC
ORIFICE SIZE DIA. (D.M.S) (NAT.)	0.0935" (#42)	0.0935" (#42)	0.0935" (#42)	0.0935" (#42)
(L.P.)	0.055" (#54)	0.055" (#54)	0.055" (#54)	0.055" (#54)

CLEARANCES			
	MINIMUM CLEARANCES TO COMBUSTIBLE MATERIALS		
	UPFLOW	DOWNFLOW	HORIZONTAL
CABINET TOP	1 IN	0 IN	0 IN
CABINET SIDES	0 IN	0 IN	1 IN
CABINET BACK	0 IN	0 IN	0 IN
CABINET BOTTOM	0 IN	NON-COMBUSTIBLE BASE REQUIRED	0 IN
CABINET FRONT	6 IN	6 IN	6 IN
PLENUM TOP	1 IN	0 IN	5/8 IN
PLENUM SIDES	5/8 IN	5/8 IN	1 IN
PLENUM BACK	5/8 IN	5/8 IN	5/8 IN
PLENUM BOTTOM	0 IN	1 IN	5/8 IN
PLENUM FRONT	5/8 IN	5/8 IN	5/8 IN
VENT	0 IN	0 IN	0 IN

SEE NEXT PAGE FOR MORE DATA -

SINGLE STAGE CONDENSING GAS QUADPOISE FURNACE SPECIFICATIONS

CLQS1-050T36N

Alterations Req'd For A/C @ Design External Static Pressure		
Cooling Unit	HTG Speed	Recommended CLG Speed
18,000	Low (Red)	Med Low (Purple)
24,000	Low (Red)	Med (Blue)
30,000	Low (Red)	Med High (Yellow)
36,000	Low (Red)	High (Black)

Temperature Rise
(°F)

Speed Tap	External Static Pressure (in WC)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low (Red)	58	65	74	86	105	137	206
Med Low (Purple)	49	53	58	63	72	81	95
Med (Blue)	42	45	48	52	55	61	68
Med High (Yellow)	36	38	39	42	44	47	49
High (Black)	31	32	33	35	37	38	40

Airflow (CFM)

Speed Tap	External Static Pressure (in WC)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low (Red)	758	672	598	511	420	322	213
Med Low (Purple)	905	827	761	698	610	546	461
Med (Blue)	1046	987	908	851	797	716	644
Med High (Yellow)	1216	1167	1124	1048	1000	945	889
High (Black)	1404	1360	1322	1269	1193	1156	1110

Current (A)

Speed Tap	External Static Pressure (in WC)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low (Red)	2.4	2.5	2.5	2.5	2.5	2.6	2.7
Med Low (Purple)	2.7	2.8	2.9	3.0	3.0	3.1	3.1
Med (Blue)	3.2	3.3	3.4	3.5	3.6	3.7	3.7
Med High (Yellow)	4.0	4.2	4.3	4.4	4.5	4.7	4.7
High (Black)	5.4	5.4	5.6	5.7	5.9	5.9	6.0

Power (W) *

Speed Tap	External Static Pressure (in WC)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low (Red)	199	207	210	212	216	220	225
Med Low (Purple)	235	243	249	257	262	267	272
Med (Blue)	279	291	297	307	313	321	325
Med High (Yellow)	354	366	377	387	395	407	416
High (Black)	466	474	489	501	514	521	530

Note: Shading indicates recommended operating range for heating.

* Includes 130W to power controls.

SEE NEXT PAGE FOR MORE DATA -

SINGLE STAGE CONDENSING GAS QUADPOISE FURNACE SPECIFICATIONS

CLQS1-075T42N

Alterations Req'd For A/C @ Design External Static Pressure		
Cooling Unit	HTG Speed	Recommended CLG Speed
24,000	Med Low (Purple)	Low (Red)
30,000	Med Low (Purple)	Med Blue
36,000	Med Low (Purple)	Med High (Yellow)
42,000	Med Low (Purple)	High (Black)

Temperature Rise (°F)

Speed Tap	External Static Pressure (in WC)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low (Red)	63	67	71	79	86	94	103
Med Low (Purple)	57	61	64	69	74	79	86
Med (Blue)	55	58	61	65	70	75	80
Med High (Yellow)	48	50	52	55	57	61	64
High (Black)	44	45	46	48	50	57	63

Airflow (CFM)

Speed Tap	External Static Pressure (in WC)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low (Red)	1089	1025	967	869	800	733	670
Med Low (Purple)	1197	1133	1078	990	933	865	803
Med (Blue)	1251	1189	1122	1064	982	914	856
Med High (Yellow)	1424	1379	1314	1254	1210	1132	1075
High (Black)	1577	1531	1480	1432	1368	1214	1086

Current (A)

Speed Tap	External Static Pressure (in WC)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low (Red)	3.6	3.6	3.7	3.8	3.9	3.9	4.0
Med Low (Purple)	4.1	4.2	4.3	4.4	4.5	4.5	4.6
Med (Blue)	4.3	4.4	4.5	4.6	4.7	4.8	4.8
Med High (Yellow)	5.4	5.5	5.6	5.7	5.8	6.0	6.0
High (Black)	6.7	6.7	6.9	7.0	7.1	6.5	6.0

Power (W) *

Speed Tap	External Static Pressure (in WC)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low (Red)	317	324	331	342	347	353	358
Med Low (Purple)	364	374	381	393	400	406	412
Med (Blue)	387	397	405	415	425	432	438
Med High (Yellow)	496	507	516	526	536	549	557
High (Black)	621	632	645	655	660	606	568

Note: Shading indicates recommended operating range for heating.

* Includes 135W to power controls.

SEE NEXT PAGE FOR MORE DATA -

SINGLE STAGE CONDENSING GAS QUADPOISE FURNACE SPECIFICATIONS

CLQS1-100T48N

Alterations Req'd For A/C @ Design External Static Pressure		
Cooling Unit	HTG Speed	Recommended CLG Speed
30,000	Med (Blue)	Low (Red)
36,000	Med (Blue)	Med Low (Purple)
42,000	Med (Blue)	Med High (Yellow)
48,000	Med (Blue)	High (Black)

Temperature Rise (°F)

Speed Tap	External Static Pressure (in WC)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low (Red)	71	75	79	84	90	100	109
Med Low (Purple)	62	65	68	72	74	79	83
Med (Blue)	60	62	66	69	72	75	79
Med High (Yellow)	55	56	58	61	63	66	68
High (Black)	49	50	51	53	57	61	67

Airflow (CFM)

Speed Tap	External Static Pressure (in WC)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low (Red)	1239	1178	1107	1046	976	883	806
Med Low (Purple)	1414	1357	1295	1224	1186	1120	1062
Med (Blue)	1467	1416	1341	1276	1229	1177	1119
Med High (Yellow)	1601	1558	1505	1448	1391	1340	1301
High (Black)	1799	1762	1716	1646	1547	1438	1322

Current (A)

Speed Tap	External Static Pressure (in WC)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low (Red)	3.9	4.1	4.2	4.3	4.4	4.5	4.5
Med Low (Purple)	4.8	4.9	5.1	5.2	5.2	5.3	5.5
Med (Blue)	5.1	5.2	5.4	5.5	5.6	5.6	5.8
Med High (Yellow)	6.0	6.1	6.3	6.4	6.5	6.6	6.7
High (Black)	7.3	7.5	7.7	7.9	7.6	7.3	6.9

Power (W) *

Speed Tap	External Static Pressure (in WC)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low (Red)	328	341	351	359	370	379	386
Med Low (Purple)	406	422	434	446	452	464	477
Med (Blue)	434	451	464	473	483	490	502
Med High (Yellow)	523	540	557	569	579	589	597
High (Black)	655	668	689	712	683	656	612

Note: Shading indicates recommended operating range for heating.

* Includes 120W to power controls.

SEE NEXT PAGE FOR MORE DATA -

SINGLE STAGE CONDENSING GAS QUADPOISE FURNACE SPECIFICATIONS

CLQS1-125T60N

Alterations Req'd For A/C @ Design External Static Pressure		
Cooling Unit	HTG Speed	Recommended CLG Speed
36,000	Med High (Yellow)	Low (Red)
42,000	Med High (Yellow)	Med Low (Purple)
48,000	Med High (Yellow)	Med (Blue)
60,000	Med High (Yellow)	High (Black)

Temperature Rise (°F)

Speed Tap	External Static Pressure (in WC)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low (Red)	73	76	81	86	93	99	106
Med Low (Purple)	68	71	74	78	83	87	93
Med (Blue)	62	64	67	70	73	77	81
Med High (Yellow)	59	61	63	65	68	71	75
High (Black)	53	54	55	57	58	60	63

Airflow (CFM)

Speed Tap	External Static Pressure (in WC)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low (Red)	1512	1444	1365	1275	1180	1111	1038
Med Low (Purple)	1625	1553	1481	1414	1330	1263	1186
Med (Blue)	1767	1710	1649	1582	1513	1437	1359
Med High (Yellow)	1878	1813	1753	1685	1617	1544	1463
High (Black)	2093	2047	1988	1938	1882	1819	1745

Current (A)

Speed Tap	External Static Pressure (in WC)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low (Red)	4.4	4.6	4.7	4.8	4.9	5.0	5.1
Med Low (Purple)	5.2	5.4	5.5	5.6	5.7	5.9	6.0
Med (Blue)	6.0	6.3	6.4	6.5	6.7	6.8	7.0
Med High (Yellow)	6.3	6.6	6.7	6.8	7.0	7.1	7.3
High (Black)	8.7	8.9	9.0	9.3	9.5	9.7	9.7

Power (W) *

Speed Tap	External Static Pressure (in WC)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low (Red)	386	402	412	427	439	447	457
Med Low (Purple)	464	480	493	506	517	529	540
Med (Blue)	543	566	580	592	607	622	636
Med High (Yellow)	578	600	611	626	642	656	670
High (Black)	810	830	843	866	886	901	919

Note: Shading indicates recommended operating range for heating.

* Includes 135W to power controls.

SEE NEXT PAGE FOR MORE DATA -

A/C Evaporator Coil Applications

UPFLOW	Furnace Model Number	AC Tonnage	Line Set	Cond. Model Number	Coil Model Number	Capacity	EER	SEER	AHRI Reference Number
	UPFLOW	CLQS1-050	2	LS01E-30 LS01E-50	TC4B2421H	HE33636PA212	23000	12.20	14.00
HE47636PA212						23000	12.20	14.50	9136136
TC7B2421S					HE33636PA212	23600	12.50	15.00	9136145
					HE47636PA212	23600	13.00	16.00	9136146
2.5			LS01E-30 LS01E-50	TC4B3021H	HE33636PA212	29400	11.70	14.00	9136137
					HE47636PA212	29400	12.20	14.50	9136138
				TC7B3021S	HE33636PA212	28000	12.50	15.00	9136147
					HE47636PA212	28400	13.00	16.00	9136148
3			LS01E-30 LS01E-50	TC4B3621H	HE33636PA212	34400	11.70	14.00	9136139
					HE47636PA212	34600	12.20	14.50	9136140
				TC7B3621S	HE33636PA212	34800	12.20	15.00	9136149
					HE47636PA212	36000	13.00	16.00	9136150
CLQS1-075		2	LS01E-30 LS01E-50	TC4B2421H	HE33636PA212	23000	12.20	14.00	9136135
					HE47636PA212	23000	12.20	14.50	9136136
				TC7B2421S	HE33636PA212	23600	12.50	15.00	9136145
					HE47636PA212	23600	13.00	16.00	9136146
		2.5	LS01E-30 LS01E-50	TC4B3021H	HE33636PA212	29400	11.70	14.00	9136137
					HE47636PA212	29400	12.20	14.50	9136138
				TC7B3021S	HE33636PA212	28000	12.50	15.00	9136147
					HE47636PA212	28400	13.00	16.00	9136148
		3	LS01E-30 LS01E-50	TC4B3621H	HE33636PA212	34400	11.70	14.00	9136139
					HE47636PA212	34600	12.20	14.50	9136140
				TC7B3621S	HE33636PA212	34800	12.20	15.00	9136149
					HE47636PA212	36000	13.00	16.00	9136150
3.5	LS02E-30 LS02E-50	TC7B4221S	-	-	-	-	-		
			HE50660PA212	41500	13.00	16.00	9136152		
		-	-	-	-	-			
			-	-	-	-			
CLQS1-100	2.5	LS01E-30 LS01E-50	TC4B3021H	HE33636PA212	29400	11.70	14.00	9136137	
				HE47636PA212	29400	12.20	14.50	9136138	
			TC7B3021S	HE33636PA212	28000	12.50	15.00	9136147	
				HE47636PA212	28400	13.00	16.00	9136148	
	3	LS01E-30 LS01E-50	TC4B3621H	HE33636PA212	34400	11.70	14.00	9136139	
				HE47636PA212	34600	12.20	14.50	9136140	
			TC7B3621S	HE33636PA212	34800	12.20	15.00	9136149	
				HE47636PA212	36000	13.00	16.00	9136150	
	3.5	LS02E-30 LS02E-50	TC7B4221S	-	-	-	-	-	
				HE50660PA212	41500	13.00	16.00	9136152	
			-	-	-	-	-		
				-	-	-	-		
4	LS02E-30 LS02E-50	TC4B4821H	-	-	-	-	-		
			HE50660PA212	47500	12.20	14.50	9136144		
		TC7B4821S	-	-	-	-			
			HE50660PA212	45500	12.50	15.00	9136154		
CLQS1-125	3	LS01E-30 LS01E-50	TC4B3621H	HE33636PA212	34400	11.70	14.00	9136139	
				HE47636PA212	34600	12.20	14.50	9136140	
			TC7B3621S	HE33636PA212	34800	12.20	15.00	9136149	
				HE47636PA212	36000	13.00	16.00	9136150	
	3.5	LS02E-30 LS02E-50	TC7B4221S	-	-	-	-	-	
				HE50660PA212	41500	13.00	16.00	9136152	
			-	-	-	-	-		
				-	-	-	-		
	4	LS02E-30 LS02E-50	TC4B4821H	-	-	-	-	-	
				HE50660PA212	47500	12.20	14.50	9136144	
			TC7B4821S	-	-	-	-		
				HE50660PA212	45500	12.50	15.00	9136154	
5	1 1/8" ¹ 3/8"	TC4B6021S	-	-	-	-	-		
			HE50660PA212	56000	12.20	14.00	10156162		
		-	-	-	-	-			
			-	-	-	-			

¹ Adapter fitting must be field supplied to connect required 1-1/8" line set to 7/8" service valve connection.

SEE NEXT PAGE FOR MORE DATA -

A/C Evaporator Coil Applications

	Furnace Model Number	AC Tonnage	Line Set	Cond. Model Number	Coil Cabinet		Capacity	EER	SEER	AHRI Reference Number
					Coil Cabinet	Coil Model Number				
C O U N T E R F L O W	CLQS1-050	2	LS01E-30 LS01E-50	TC4B2421H	CE215T	HE33636UA170	23000	12.20	14.00	9136135
					-	-	-	-	-	-
		2.5	LS01E-30 LS01E-50	TC4B3021H	CE215T	HE33636UA170	29400	11.70	14.00	9136137
					-	-	-	-	-	-
		3	LS01E-30 LS01E-50	TC4B3621H	CE215T	HE33636UA170	34400	11.70	14.00	9136139
					-	-	-	-	-	-
	CLQS1-075	2	LS01E-30 LS01E-50	TC4B2421H	CE216T	HE33636UA200	23000	12.20	14.00	9136135
					CE216T	HE47636UA205	23000	12.20	14.50	9136136
		2.5	LS01E-30 LS01E-50	TC4B3021H	CE216T	HE33636UA200	23600	12.50	15.00	9136145
					CE216T	HE47636UA205	23600	13.00	16.00	9136146
		3	LS01E-30 LS01E-50	TC4B3621H	CE216T	HE33636UA200	29400	11.70	14.00	9136137
					CE216T	HE47636UA205	29400	12.20	14.50	9136138
CLQS1-100	2.5	LS01E-30 LS01E-50	TC7B3021S	CE216T	HE33636UA200	28000	12.50	15.00	9136147	
				CE216T	HE47636UA205	28400	13.00	16.00	9136148	
	3	LS01E-30 LS01E-50	TC4B3621H	CE216T	HE33636UA200	34400	11.70	14.00	9136139	
				CE216T	HE47636UA205	34600	12.20	14.50	9136140	
	3.5	LS02E-30 LS02E-50	TC7B3621S	CE216T	HE33636UA200	34800	12.20	15.00	9136149	
				CE216T	HE47636UA205	36000	13.00	16.00	9136150	
CLQS1-125	3	LS01E-30 LS01E-50	TC7B4221S	-	-	-	-	-	-	
				CE216T	HE50660UA205	41500	13.00	16.00	9136152	
	2.5	LS01E-30 LS01E-50	TC4B3021H	CE216T	HE33636UA200	29400	11.70	14.00	9136137	
				CE216T	HE47636UA205	29400	12.20	14.50	9136138	
	3	LS01E-30 LS01E-50	TC7B3021S	CE216T	HE33636UA200	28000	12.50	15.00	9136147	
				CE216T	HE47636UA205	28400	13.00	16.00	9136148	
4	LS02E-30 LS02E-50	TC4B4821H	CE216T	HE33636UA200	34400	11.70	14.00	9136139		
			CE216T	HE47636UA205	34600	12.20	14.50	9136140		
CLQS1-125	3.5	LS02E-30 LS02E-50	TC7B3621S	CE216T	HE33636UA200	34800	12.20	15.00	9136149	
				CE216T	HE47636UA205	36000	13.00	16.00	9136150	
	4	LS02E-30 LS02E-50	TC7B4821S	-	-	-	-	-	-	
				CE216T	HE50660UA205	45500	12.50	15.00	9136154	
	5	1 1/8" ¹ 3/8"	TC4B4821H	CE217T	HE33636UA200	34400	11.70	14.00	9136139	
				CE217T	HE47636UA205	34600	12.20	14.50	9136140	
5	1 1/8" ¹ 3/8"	TC4B6021S	CE217T	HE33636UA200	34800	12.20	15.00	9136149		
			CE217T	HE47636UA205	36000	13.00	16.00	9136150		

¹ Adapter fitting must be field supplied to connect required 1-1/8" line set to 7/8" service valve connection.

SEE NEXT PAGE FOR MORE DATA -

A/C Evaporator Coil Applications

	Furnace Model Number	AC Tonnage	Line Set	Cond. Model Number	Coil Model Number	Capacity	EER	SEER	AHRI Reference Number
	H O R I Z O N T A L	CLQS1-050	2	LS01E-30 LS01E-50	TC4B2421H	HE33636CH210 ²	23000	12.20	14.00
HE47636CH210 ²						23000	12.20	14.50	9136136
TC7B2421S					HE33636CH210 ²	23600	12.50	15.00	9136145
					HE47636CH210 ²	23600	13.00	16.00	9136146
2.5			LS01E-30 LS01E-50	TC4B3021H	HE33636CH210 ²	29400	11.70	14.00	9136137
					HE47636CH210 ²	29400	12.20	14.50	9136138
				TC7B3021S	HE33636CH210 ²	28000	12.50	15.00	9136147
					HE47636CH210 ²	28400	13.00	16.00	9136148
3			LS01E-30 LS01E-50	TC4B3621H	HE33636CH210 ²	34400	11.70	14.00	9136139
					HE47636CH210 ²	34600	12.20	14.50	9136140
				TC7B3621S	HE33636CH210 ²	34800	12.20	15.00	9136149
					HE47636CH210 ²	36000	13.00	16.00	9136150
CLQS1-075		2	LS01E-30 LS01E-50	TC4B2421H	HE33636CH210	23000	12.20	14.00	9136135
					HE47636CH210	23000	12.20	14.50	9136136
				TC7B2421S	HE33636CH210	23600	12.50	15.00	9136145
					HE47636CH210	23600	13.00	16.00	9136146
		2.5	LS01E-30 LS01E-50	TC4B3021H	HE33636CH210	29400	11.70	14.00	9136137
					HE47636CH210	29400	12.20	14.50	9136138
				TC7B3021S	HE33636CH210	28000	12.50	15.00	9136147
					HE47636CH210	28400	13.00	16.00	9136148
		3	LS01E-30 LS01E-50	TC4B3621H	HE33636CH210	34400	11.70	14.00	9136139
					HE47636CH210	34600	12.20	14.50	9136140
				TC7B3621S	HE33636CH210	34800	12.20	15.00	9136149
					HE47636CH210	36000	13.00	16.00	9136150
3.5		LS02E-30 LS02E-50	TC7B4221S	-	-	-	-	-	
				HE50660CH210	41500	13.00	16.00	9136152	
CLQS1-100		2.5	LS01E-30 LS01E-50	TC4B3021H	HE33636CH210	29400	11.70	14.00	9136137
					HE47636CH210	29400	12.20	14.50	9136138
	TC7B3021S			HE33636CH210	28000	12.50	15.00	9136147	
				HE47636CH210	28400	13.00	16.00	9136148	
	3	LS01E-30 LS01E-50	TC4B3621H	HE33636CH210	34400	11.70	14.00	9136139	
				HE47636CH210	34600	12.20	14.50	9136140	
			TC7B3621S	HE33636CH210	34800	12.20	15.00	9136149	
				HE47636CH210	36000	13.00	16.00	9136150	
	3.5	LS02E-30 LS02E-50	TC7B4221S	-	-	-	-	-	
				HE50660CH210	41500	13.00	16.00	9136152	
	4	LS02E-30 LS02E-50	TC4B4821H	-	-	-	-	-	
				HE50660CH210	47500	12.20	14.50	9136144	
TC7B4821S			-	-	-	-	-		
			HE50660CH210	45500	12.50	15.00	9136154		
CLQS1-125	3	LS01E-30 LS01E-50	TC4B3621H	HE33636CH210	34400	11.70	14.00	9136139	
				HE47636CH210	34600	12.20	14.50	9136140	
			TC7B3621S	HE33636CH210	34800	12.20	15.00	9136149	
				HE47636CH210	36000	13.00	16.00	9136150	
	3.5	LS02E-30 LS02E-50	TC7B4221S	-	-	-	-	-	
				HE50660CH210	41500	13.00	16.00	9136152	
	4	LS02E-30 LS02E-50	TC4B4821H	-	-	-	-	-	
				HE50660CH210	47500	12.20	14.50	9136144	
			TC7B4821S	-	-	-	-	-	
				HE50660CH210	45500	12.50	15.00	9136154	
	5	1 1/8" ¹ 3/8"	TC4B6021S	-	-	-	-	-	
				HE50660CH210	56000	12.20	14.00	10156162	

¹ Adapter fitting must be field supplied to connect required 1-1/8" line set to 7/8" service valve connection.

² Will need field supplied transition to connect furnace to cased coil.

Air Conditioning

Thermo Pride®

Thermo Pride Air Conditioning

Built Tough for Lifetime Comfort™



The Comfort & Efficiency Of Thermo Pride



Value & Efficiency

Thermo Pride is widely recognized in the industry as the premiere brand. When you purchase a Thermo Pride, you know you are getting the highest quality system that is built to last! Our air conditioning units meet all current efficiency requirements.

Thermo Pride air conditioning units are offered in two efficiency levels. The TC7 series offers ultra-high efficiencies while the TC4 series offers high efficiencies. Both series meet the Department of Energy's efficiency rating requirements. A new air conditioning unit can make a difference in your energy bill as compared to older models over ten years old.

Peace of Mind Plus Warranty 10-Year Compressor & Parts Warranty

One of the industries best warranties: 10-year Compressor and Parts Warranty. Also, if for any reason the compressor fails within the first 5 years, we will replace the entire unit. The warranty must be registered within 90 days to activate full coverage. Otherwise, it reverts to 5 years on parts and coil and standard 10 year compressor warranty. Register online at www.thermopride.com. See warranty for complete details.



The Quiet Advantage

Thermo Pride air conditioning products are designed with sound reduction in mind for your peace and quiet as well as your neighbors. Less noise equals more comfort. All moving parts are designed for quiet operation and specially mounted to reduce noise output.

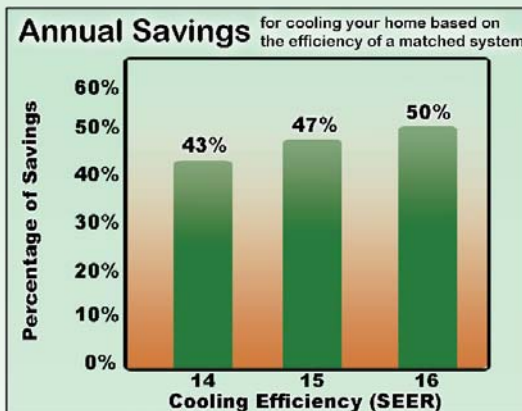
Lawn Mower	110 dB
Washing Machine	80 dB
Hair Dryer	75 dB
TP A/C*	74 dB

* Thermo Pride A/C dBA rating average for TC4 & TC7 Series models. See specifications for specific model ratings.

Higher Efficiencies Equals Energy Savings!

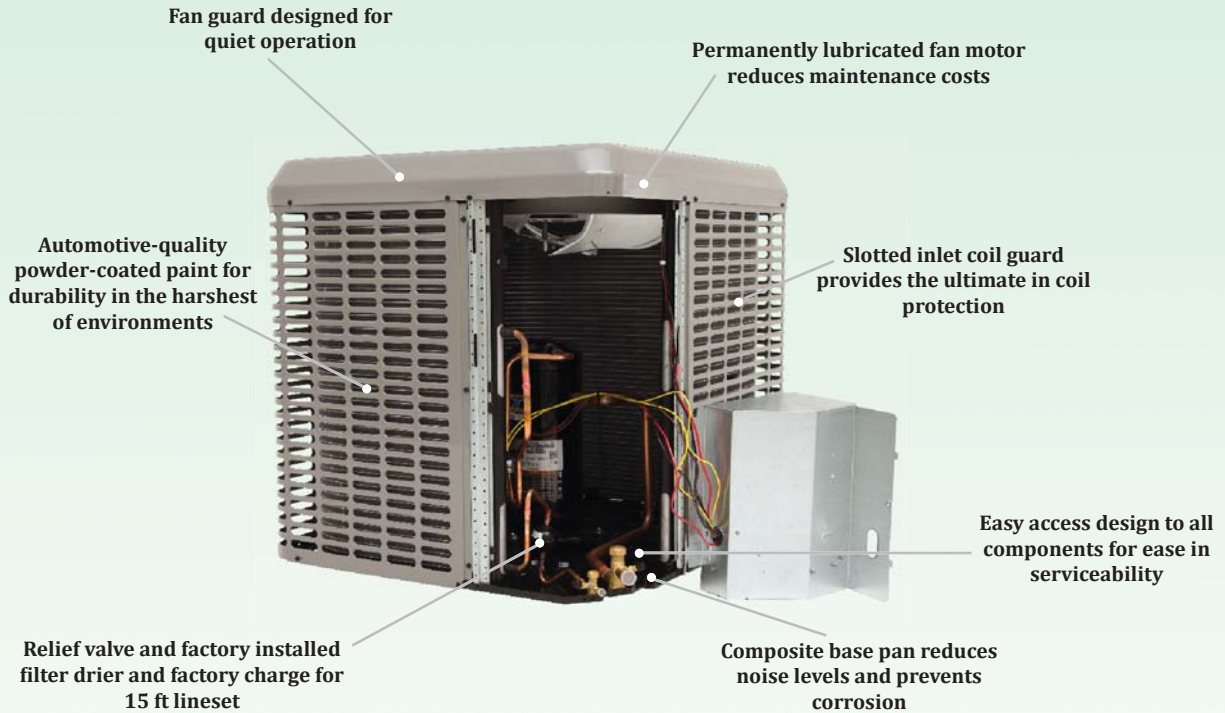


The Seasonal Energy Efficiency Ratio, also referred to as SEER, is an energy efficiency rating for air conditioners. The higher the SEER, the better the energy performance, the more you save on your energy bill. The Department of Energy has established a minimum SEER rating for cooling of 14.0.



Minimum efficiency established by the Department of Energy. Potential energy savings may vary depending on your personal lifestyle, system settings, equipment maintenance, local climate, actual construction and installation of equipment and duct system.

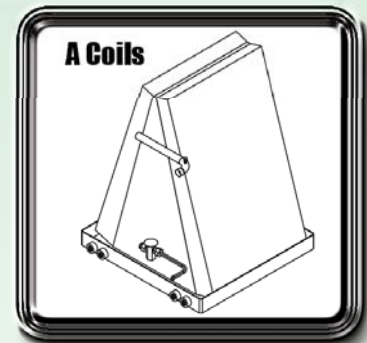
Features & Benefits of Thermo Pride Air Conditioning



Air Conditioning Evaporator Coils Available!

Thermo Pride has a full line of evaporator coils and cabinets for our furnace lines.

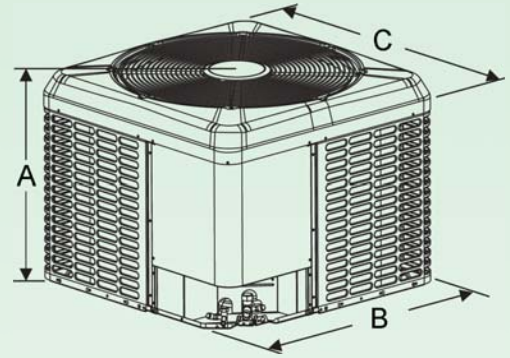
For a complete evaporator coil application guide go to www.thermopride.com and click on Products, Air Conditioning. There is a link to the Air Conditioning Evaporator Coil Application Guide and a link to the AHRI website. The guide has AHRI reference numbers for each application.





LX Series

TC4 - Up to 14.5 SEER



14 SEER Air Conditioning Condensers									
	SEER	NOMINAL CAPACITY (TONS)	dbA	Line Set Field Installed	Vapor Line Set Field Installed	DIMENSIONS (INCHES)			WEIGHT
						HEIGHT (A)	WIDTH (C)	DEPTH (B)	
TC4B2421H	14	2.0	75	3/8"	3/4"	30	29-1/4	29-1/4	155
TC4B3021H	14	2.5	74	3/8"	3/4"	30	29-1/4	29-1/4	155
TC4B3621H	14	3.0	76	3/8"	3/4"	36-1/4	29-1/4	29-1/4	180
TC4B4821S	14	4.0	75	3/8"	7/8"	33-1/4	31-3/4	35-1/4	200
TC4B6021S	14	5.0	76	3/8"	1-1/8"	36-1/4	34-1/4	38	205



LX Series

TC7 - Up to 16 SEER

Up to 16 SEER Air Conditioning Condensers									
	SEER	NOMINAL CAPACITY (TONS)	dbA	Line Set Field Installed	Vapor Line Set Field Installed	DIMENSIONS (INCHES)			WEIGHT
						HEIGHT (A)	WIDTH (C)	DEPTH (B)	
TC7B2421S	16	2.0	72	3/8"	3/4"	30	29-1/4	29-1/4	150
TC7B3021S	16	2.5	72	3/8"	3/4"	36-1/4	31-3/4	35-1/4	165
TC7B3621S	16	3.0	72	3/8"	3/4"	36-1/4	31-3/4	35-1/4	175
TC7B4221S	16	3.5	73	3/8"	7/8"	39-1/2	34-1/4	38	220
TC7B4821S	16	4.0	74	3/8"	7/8"	39-1/2	34-1/4	38	220

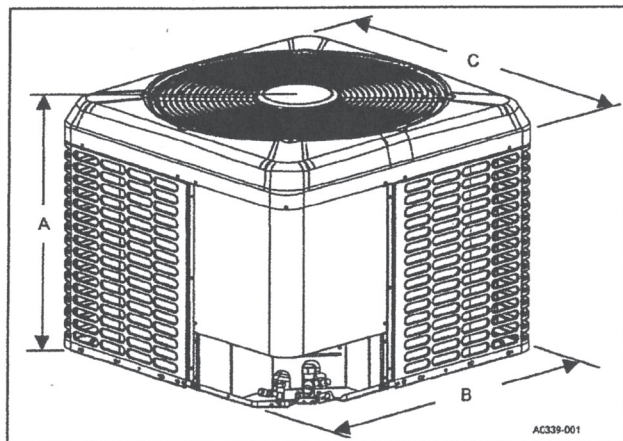
TABULAR DATA SHEET

TC4 Series 14 SEER Split System Air Conditioners

Model	TC4B2421H	TC4B3021H	TC4B3621H	TC4B4221S	TC4B6021S
Unit Supply Voltage	208-230V, 1 Phase, 60Hz				
Normal Voltage Range ¹	187 to 252				
Minimum Circuit Ampacity	11.6	14.2	18.9	21.5	31.7
Max. Overcurrent Device Amps ²	20	20	30	35	50
Min. Overcurrent Device Amps ³	15	15	20	25	35
Compressor Type	Recip	Recip	Recip	Recip	Scroll
Compressor	Rated Load	8.6	10.7	14.1	24.3
	Locked Rotor	45.0	57.0	78.0	144.2
Amps					
Crankcase Heater	No	No	No	No	No
Factory External Discharge Muffler	No	No	No	Yes	No
HS Kit Required with TXV ⁴	Yes*	Yes*	Yes*	Yes*	No
Fan Diameter Inches	22	22	22	24	26
Fan Motor	Rated HP	1/8	1/8	1/4	1/4
	Rated Load Amps	0.80	0.80	1.30	1.30
	Nominal RPM	1075	1075	850	850
	Nominal CFM	2875	2950	3275	3500
Coil	Face Area Sq. Ft.	13.83	13.83	17.37	18.74
	Rows Deep	1	1	1	1
	Fins/Inch	23	23	23	23
Liquid Line Set OD (Field Installed)	3/8	3/8	3/8	3/8	3/8
Vapor Line Set OD (Field Installed) ⁵	3/4	3/4	3/4	7/8	1-1/8**
Unit Charge (Lbs. - Oz) ⁶	3 - 12	4 - 3	4 - 14	5 - 2	5 - 12
Charge Per Foot, Oz.	0.62	0.62	0.62	0.67	0.75
Operating Weight Lbs.	155	155	180	215	205

Models with "H" on the end of the model number are shipped with a Hard Start Kit installed at the factory.

1. Rated in accordance with AHRI Standard 110-2012, utilization range "A".
2. Dual element fuses of HACR circuit breaker. Maximum allowable overcurrent protection.
3. Dual element fuses or HACR circuit breaker. Minimum recommended overcurrent protection.
4. See Hard Start Kit Accessory Installation Manual for Hard Start Kit part number for each model.
5. For applications with non-standard vapor line sizes, see the Applications & Accessories section of the Technical Guide.
6. The Unit Charge is correct for the outdoor unit, smallest matched indoor unit, and 15 feet of refrigerant tubing. For tubing lengths other than 15 feet, add or subtract the amount of refrigerant, using the difference in actual lineset length (not the equivalent length) multiplied by the per foot value.



DIMENSIONS

Unit Model	Dimensions (Inches)			Refrigerant Connection Service Valve Size	
	A	B	C	Liquid	Vapor
TC4B2421H	30	29 - 1/4	29 - 1/4	3/8	3/4
TC4B3021H	30	29 - 1/4	29 - 1/4		
TC4B3621H	36 - 1/4	29 - 1/4	29 - 1/4		
TC4B4221S	33 - 1/4	35 - 1/4	31 - 3/4		7/8
TC4B6021S	36 - 1/4	38	34 - 1/4		7/8*

* * Adapter fitting must be field installed for the required 1-1/8" line set.

All dimensions are in inches and are subject to change without notice.

Overall height is from bottom of base pan to top of fan guard.

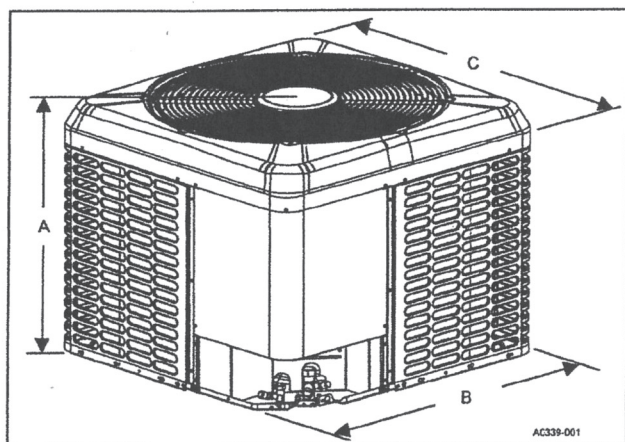
Overall length and width include screw heads.

TABULAR DATA SHEET

TC7 Series Up to 16 SEER Split System Air Conditioners

Model	TC7B2421S	TC7B3021S	TC7B3621S	TC7B4221S	TC7B4821S	
Unit Supply Voltage	208-230V, 1 Phase, 60Hz					
Normal Voltage Range ¹	187 to 252					
Minimum Circuit Ampacity	16.4	18.8	22	23.6	25.9	
Max. Overcurrent Device Amps ²	25	30	35	40	40	
Min. Overcurrent Device Amps ³	20	20	25	25	30	
Compressor Type	Scroll	Scroll	Scroll	Scroll	Scroll	
Compressor	Rated Load	10.9	12.8	15.4	16.6	18.5
	Amps Locked Rotor	62.9	67.8	83.9	109.0	124.0
Crankcase Heater	No	No	No	No	No	
Factory External Discharge Muffler	No	No	No	No	No	
HS Kit Required with TXV ⁴	No	No	No	No	No	
Fan Diameter Inches	22	24	24	26	26	
Fan Motor	Rated HP	1/3	1/3	1/3	1/3	
	Rated Load Amps	2.80	2.80	2.80	2.80	
	Nominal RPM	917	682	682	875	875
	Nominal CFM	2575	3000	3000	4100	4100
Coil	Face Area Sq. Ft.	13.83	21.06	21.06	25.28	25.28
	Rows Deep	1	1	1	1	1
	Fins/Inch	23	23	23	23	23
Liquid Line Set OD (Field Installed)	3/8	3/8	3/8	3/8	3/8	
Vapor Line Set OD (Field Installed) ⁵	3/4	3/4	3/4	7/8	7/8	
Unit Charge (Lbs. - Oz) ⁶	3 - 10	4 - 11	4 - 9	6 - 6	6 - 11	
Charge Per Foot, Oz.	0.62	0.62	0.62	0.67	0.67	
Operating Weight Lbs.	150	165	175	220	220	

1. Rated in accordance with AHRI Standard 110-2012, utilization range "A".
2. Dual element fuses or HACR circuit breaker. Maximum allowable overcurrent protection.
3. Dual element fuses or HACR circuit breaker. Minimum recommended overcurrent protection.
4. For applications with non-standard vapor line sizes, see the Applications & Accessories section of the Technical Guide.
5. The Unit Charge is correct for the outdoor unit, smallest matched indoor unit, and 15 feet of refrigerant tubing. For tubing lengths other than 15 feet add or subtract the amount of refrigerant using the difference in actual lineset length (not the equivalent length) multiplied by the per foot value.



DIMENSIONS

Unit Model	Dimensions (Inches)			Refrigerant Connection Service Valve Size	
	A	B	C	Liquid	Vapor
TC7B2421S	30	29 - 1/4	29 - 1/4	3/8	3/4
TC7B3021S	36 - 1/4	35 - 1/4	31 - 3/4		
TC7B3621S	36 - 1/4	35 - 1/4	31 - 3/4		
TC7B4221S	39 - 1/2	38	34 - 1/4	7/8	7/8
TC7B4821S	39 - 1/2	38	34 - 1/4		

All dimensions are in inches and are subject to change without notice.

Overall height is from bottom of base pan to top of fan guard.

Overall length and width include screw heads.

Thermo Pride®

Hydro Air Air Handler

Built Tough for Lifetime Comfort™





The Comfort & Efficiency Of Thermo Pride

Thermo Pride — Dependable Craftsmanship

Located right here in the United States, Thermo Pride is known for superior workmanship and product innovation.

We are committed to producing handcrafted products that provide your family with reliability, comfort, durability, quiet operation and high efficiency. You will have the peace-of-mind that comes from knowing your Thermo Pride Air Handler System is anything but a mass-produced, low-cost compromise between quality and price.



Your Total Comfort Solution

Thermo Pride's air handler provides complete comfort for central or zoned heating, cooling or both. For heating, when you install an optional hydronic coil in the air handler and attach it to a boiler, you enjoy a warm and very comfortable temperature rise approaching 70 degrees. The air handler can supply warmer air to your home than most furnaces on the market today and requires only a fraction of the space, investment, and cost of operation.

The air handler lets you convert from electric to oil or gas heat. You can also add air conditioning to your home with Thermo Pride's air conditioning coil, which is factory installed in the air handler. The air conditioning coil provides cool comfortable air while eliminating unwanted indoor humidity. When the coil is matched with Thermo Pride's outdoor condenser unit, you will have an extremely efficient, quiet, reliable, and complete comfort system.

Warranty

We stand behind our air handler with our Peace of Mind Warranty, which covers the Thermo Pride cooling coil and hydronic coil for 10 years and all other parts for 5 years.

**PEACE OF MIND
WARRANTY**

Dependable & Economical Operation

With your boiler connected to a hydronic coil inside a Thermo Pride air handler, standby losses decrease. As the system operates more frequently, water circulating through the boiler reduces sediment build-up, minimizes corrosion, and extends the life of the boiler. Also, the Thermo Pride air handler utilizes a variable speed ECM blower motor which increases efficiency and lowers your electric costs. Thermo Pride's air handlers often cost less than furnaces or heat pumps to install, operate, and service.

Efficient and versatile, air handlers are ideal for zoning and for heating or cooling add-on rooms in your home. In some homes, one thermostat may not be able to provide the ideal comfort level in every room. What is comfortable for the bedroom, may be uncomfortable in the living room. By using the air handler to zone an area in your home, you can have complete comfort, all the time, while using less energy. By heating or cooling only those rooms being used, you will help pay for the air handler while enjoying quite, reliable comfort.

Take Comfort in Thermo Pride

When selecting the right comfort system for your home, you should consider comfort, efficiency, required maintenance, and longevity. The Thermo Pride air handler requires very little maintenance and guarantees efficiency, long life, and worry-free comfort.

Features and Benefits

Powder Coated Heavy-Gauge Steel Cabinet - Long Lasting Quality & Durability

ECM Blower Motor - Variable Blower Speeds to Increase Efficiency and Provide Consistent Airflow for a More Comfortable Home



Bottom Return Air in Upflow Position, Left or Right Air Return in Horizontal Position

A/C Evaporator Coil - High Performance, Durable Copper Tubing and Aluminum Fins for Long Lasting Quality (Factory Installed)



Interlocking Steel Casing - Rigid Construction, Tight Joints, Quiet Operation and Reduced Heat Loss

Hydronic Heating Coil - 4 Rows of Coils for Greater Heat Transfer (Available Option)

Foil-faced Insulation - Reduced Noise, Improved Efficiency

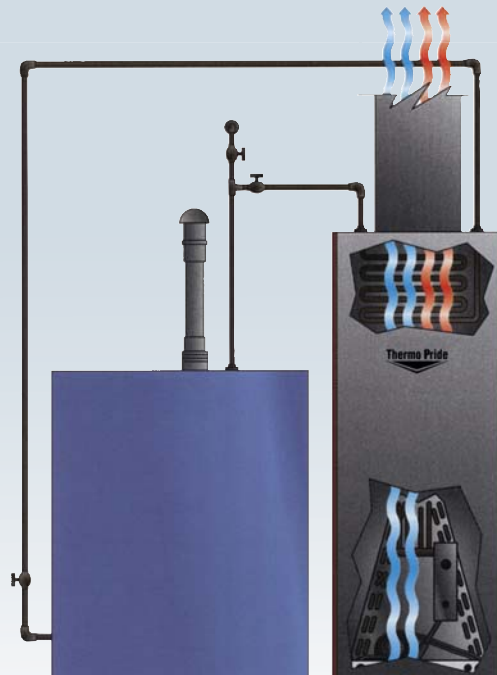
Horizontal Drain Pan Built in to Facilitate Removal of A/C Condensate



How The Air Handler Operates

For heating, a boiler is connected to a hydronic heating coil to transfer water between the two units. When heating is required, the thermostat activates a small pump that transfers water to the hydronic coil from the boiler. There, the hot water circulates through the heating coil. The air handler's quiet blower pulls return air from the home. Warm air is then transferred to your home through the ductwork and the water in the air handler is circulated back to the boiler or for re-heating.

In the cooling mode, refrigerant is circulated from the outdoor condenser unit through the cooling coil located in the air handler.



Specifications

Model Number	AH2436AE1	AH4260AE1
Shipping Weight (lbs.)	130	180
Dimensions (in.) W x D x H	17 x 21-1/2 x 52	23-1/2 x 28-1/4 x 59
Return Opening (in.) W x D	13 x 16	16 x 18
Supply Air Opening (in.) W x D	14 x 16	20 x 20
Cooling Capacity (BTUH)	24,000 - 36,000	36,000 - 60,000

Optional Hot Water Coil

Hot Water Coil Model	HC1-B	HC2-A
Heating Capacity (BTUH) ⁽¹⁾	32,000 - 75,000	55,000 - 120,000
Inlet Temperature Range (°F) ⁽²⁾	140 - 180	140 - 180

Optional Upflow Cabinet

Model	UA1-C	UA2-C
Filter Size	16 x 20 x 1	20 x 25 x 1
Side Plenum Opening (in.) W x D x H	8 x 20	8 x 26
Dimensions (in.) W x D x H	17-1/8 x 21-1/2 x 8	23-1/2 x 28-1/4 x 8

1. At flow rates of 3-7 GPM for AH2436AE1 and 7-10 GPM for AH4260AE1.
2. Using an inlet water temperature of 120°F will result in lower supply air temperatures that may be undesirable to some homeowners.

Air Conditioning

Add Air Conditioning

Add Thermo Pride air conditioning or heat pump to your Thermo Pride gas furnaces for added indoor comfort.

Offered in two efficiency levels, the TC7 Series offers up to 16 SEER efficiencies while the TC4 Series offers 14 SEER efficiencies. The TC7 Series is approved for all U.S. Regions while the TC4 Series are approved for North and Southeast Regions. Both series meet the Department of Energy's efficiency rating requirements.



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www.thermopride.com

Visit us at www.thermopride.com

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AIR HANDLER NOMENCLATURE				
AH	2436	A	E	1
AIR HANDLER	CAPACITY RANGE 24,000 – 36,000	A = 115V	ECM MOTOR	REVISION LEVEL

HOT WATER COIL TO BE USED WITH AH2436AE1		
MODEL	HEATING CAPACITY (BTUH)	INLET TEMPERATURE RANGE (DEG. F)
HC1-B	32,000–75,000	140-180

HOT WATER COIL TO BE USED WITH AH4260AE1		
MODEL	HEATING CAPACITY (BTUH)	INLET TEMPERATURE RANGE (DEG. F)
HC2-A	55,000–120,000	140-180

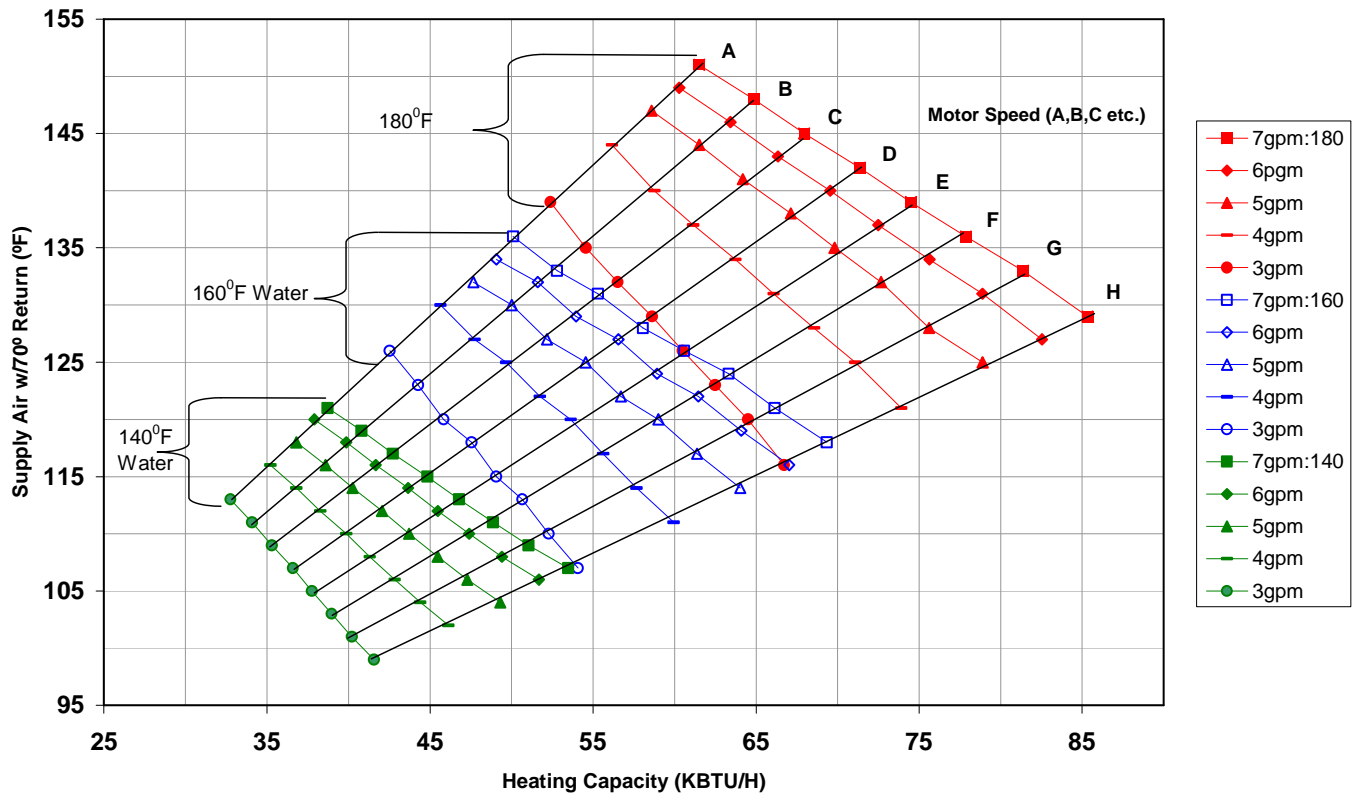
“A” STYLE EVAPORATOR COILS TO BE USED WITH AH2436AE1		
MODEL	COOLING CAPACITY (BTUH)	SEER RATING
HE36936UA140	24,000-36,000	13.0+

“A” STYLE EVAPORATOR COILS TO BE USED WITH AH4260AE1		
MODEL	COOLING CAPACITY (BTUH)	SEER RATING
HE50960UA205	36,000-60,000	13.0+

		AH2436AE1	AH2436AE1 w/ UA1-C CABINET	AH4260AE1	AH4260AE1 w/ UA2-C CABINET
UNIT	WIDTH	17.033"	17.033"	23.408"	23.408"
	DEPTH	21.5"	21.5"	28.185"	28.185"
	HEIGHT	52"	60"	59"	67"
SUPPLY PLENUM	WIDTH	14	14"	20	20"
	DEPTH	16	16"	20	20"
RETURN PLENUM	WIDTH	12.875	7.875" side plenum height	15.875	7.875" side plenum height
	DEPTH	15.875	19.875" side plenum width	17.875	25.875" side plenum width
FILTER SIZE		NOT SUPPLIED	16X20X1	NOT SUPPLIED	20X25X1
SHIPPING WEIGHT (LB)		130		180	

COOLING SPEEDS (CFM)								
MODEL NUMBER	BOTH			AH4260AE1		AH2436AE1		BOTH
HEAT/COOL/FAN	COOLING Settings			COOL	DEHUM	COOL	DEHUM	FAN
SW1 Switch Locations	6	5	4					
	OFF	OFF	OFF	800	560	800	560	500
	OFF	OFF	ON	1000	700	1000	700	500
	OFF	ON	OFF	1200	840	1200	840	600
	OFF	ON	ON	1400	980	1400	980	700
	ON	OFF	OFF	1600	1120		1120	800
	ON	OFF	ON	1800	1260		1260	900
	ON	ON	OFF	2000	1400			1000
	ON	ON	ON	2200	1540			1100

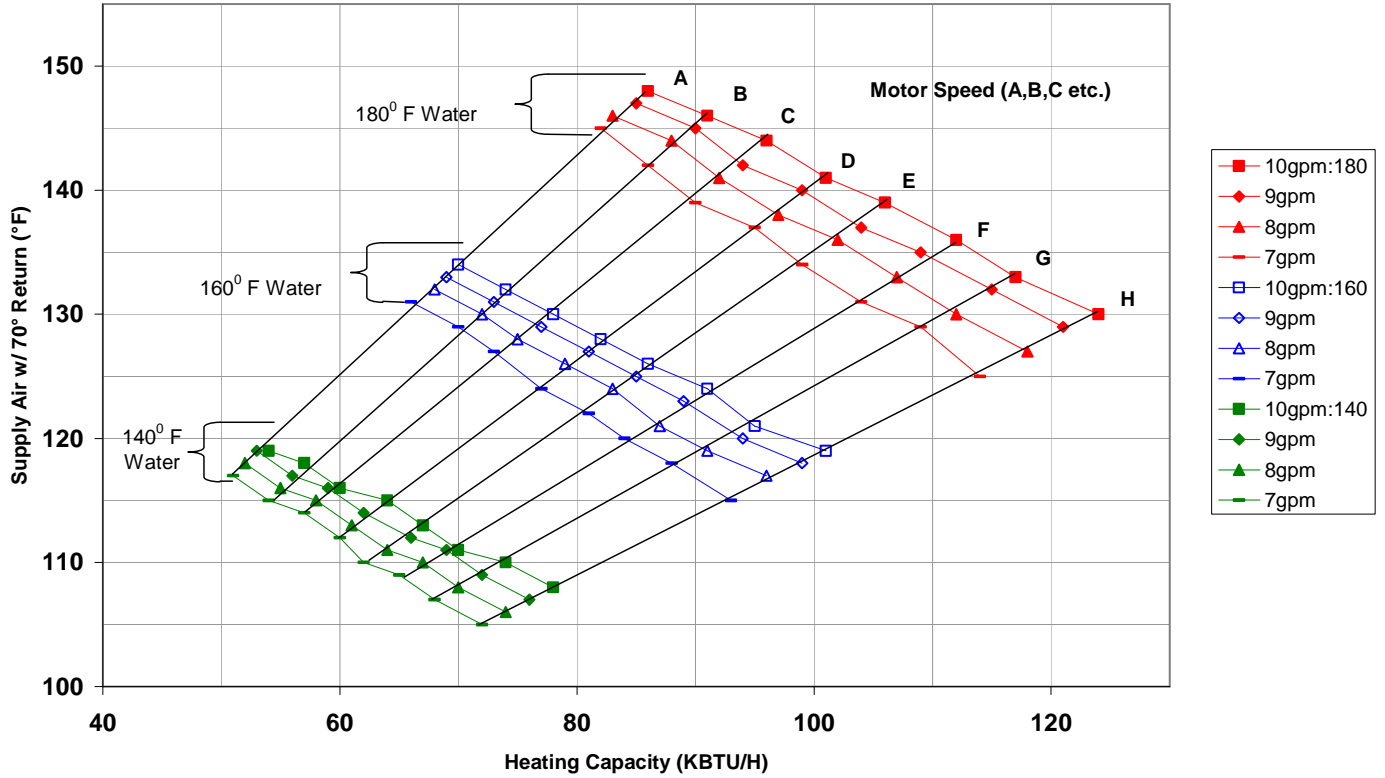
**AH2436*E1 Temperature & Heat Values at 140, 160 & 180°F and
3,4,5,6 & 7 gallons per minute at selected speeds**



Heat Settings (SW1)				
SPEED	CFM	1	2	3
A	689	OFF	OFF	OFF
B	754	ON	OFF	OFF
C	819	OFF	ON	OFF
D	897	ON	ON	OFF
E	975	OFF	OFF	ON
F	1066	ON	OFF	ON
G	1170	OFF	ON	ON
H	1300	ON	ON	ON

Inlet Water Temperature	Flow	Tubeside PD	CFM	Heating Capacity (KBTU/H)							
				689 (A)	754 (B)	819 (C)	897 (D)	975 (E)	1066 (F)	1170 (G)	1300 (H)
180° F	7 gpm	5.42	Supply Air (°F)	151°	148°	145°	142°	139°	136°	133°	129°
			Heat (Kbtu/H)	61517	64858	67946	71362	74504	77871	81378	85332
	6 gpm	4.05	Supply Air (°F)	149°	146°	143°	140°	137°	134°	131°	127°
			Heat (Kbtu/H)	60283	63437	66346	69553	72493	75631	78888	82545
	5 gpm	2.88	Supply Air (°F)	147°	144°	141°	138°	135°	132°	128°	125°
			Heat (Kbtu/H)	58593	61512	64191	67131	69813	72663	75606	78893
	4 gpm	1.89	Supply Air (°F)	144°	140°	137°	134°	131°	128°	125°	121°
			Heat (Kbtu/H)	56163	58766	61139	63727	66073	68549	71090	73907
	3 gpm	1.11	Supply Air (°F)	139°	135°	132°	129°	126°	123°	120°	116°
			Heat (Kbtu/H)	52393	54554	56507	58615	60509	62490	64505	66717
160° F	7 gpm	5.54	Supply Air (°F)	136°	133°	131°	128°	126°	124°	121°	118°
			Heat (Kbtu/H)	50092	52795	55294	58057	60597	63317	66151	69343
	6 gpm	4.15	Supply Air (°F)	134°	132°	129°	127°	124°	122°	119°	116°
			Heat (Kbtu/H)	49061	51611	53962	56554	58928	61461	64090	67039
	5 gpm	2.95	Supply Air (°F)	132°	130°	127°	125°	122°	120°	117°	114°
			Heat (Kbtu/H)	47654	50011	52174	54547	56711	59009	61382	64031
	4 gpm	1.94	Supply Air (°F)	130°	127°	125°	122°	120°	117°	114°	111°
			Heat (Kbtu/H)	45639	47738	49652	51738	53629	55624	57670	59939
	3 gpm	1.13	Supply Air (°F)	126°	123°	120°	118°	115°	113°	110°	107°
			Heat (Kbtu/H)	42530	44272	45845	47544	49069	50664	52286	54068
140° F	7 gpm	5.67	Supply Air (°F)	121°	119°	117°	115°	113°	111°	109°	107°
			Heat (Kbtu/H)	38730	40806	42723	44842	46788	48872	51041	53484
	6 gpm	4.25	Supply Air (°F)	120°	118°	116°	114°	112°	110°	108°	106°
			Heat (Kbtu/H)	37900	39865	41666	43651	45468	47406	49417	51672
	5 gpm	3.02	Supply Air (°F)	118°	116°	114°	112°	110°	108°	106°	104°
			Heat (Kbtu/H)	36792	38597	40252	42067	43721	45478	47290	49313
	4 gpm	1.99	Supply Air (°F)	116°	114°	112°	110°	108°	106°	104°	102°
			Heat (Kbtu/H)	35200	36806	38268	39862	41305	42828	44390	46121
	3 gpm	1.16	Supply Air (°F)	113°	111°	109°	107°	105°	103°	101°	99°
			Heat (Kbtu/H)	32760	34090	35291	36588	37751	38968	40206	41565

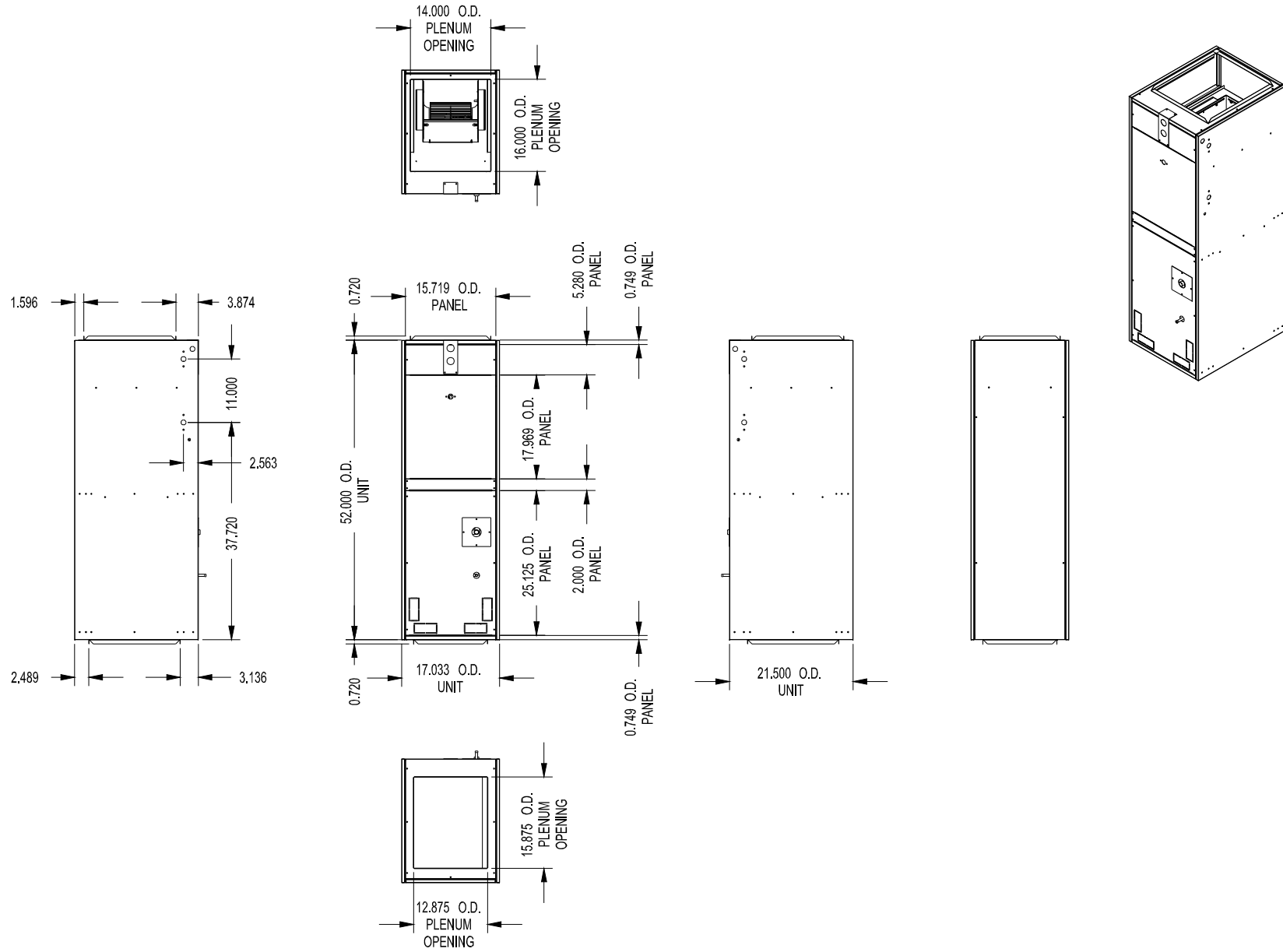
**AH4260°E1 Temperature & Heat Values at 140, 160 & 180°F
and 7,8,9 & 10 gallons per minute at selected speeds**



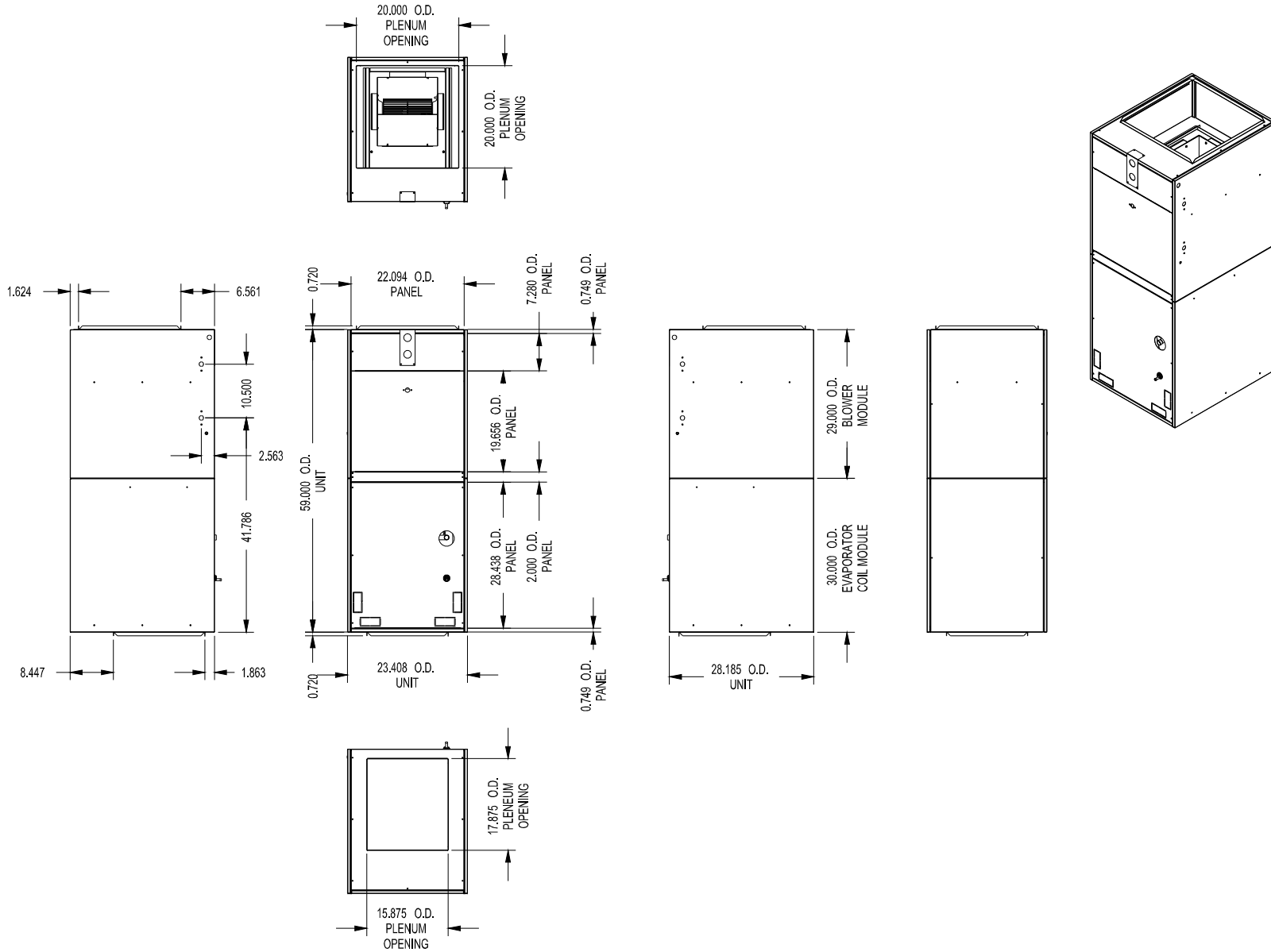
Heat Settings (SW1)				
SPEED	CFM	1	2	3
A	1007	OFF	OFF	OFF
B	1102	ON	OFF	OFF
C	1197	OFF	ON	OFF
D	1311	ON	ON	OFF
E	1425	OFF	OFF	ON
F	1558	ON	OFF	ON
G	1710	OFF	ON	ON
H	1900	ON	ON	ON

Inlet Water Temperature	Flow	Tubeside PD	CFM	1007 (A)	1102 (B)	1197 (C)	1311 (D)	1425 (E)	1558 (F)	1710 (G)	1900 (H)
180°F H ₂ O	10 gpm	1.88	Supply Air (°F)	148	146	144	141	139	136	133	130
			Heat (Kbtu/H)	86	91	96	101	106	112	117	124
	9 gpm	1.54	Supply Air (°F)	147	145	142	140	137	135	132	129
			Heat (Kbtu/H)	85	90	94	99	104	109	115	121
	8 gpm	1.23	Supply Air (°F)	146	144	141	138	136	133	130	127
			Heat (Kbtu/H)	83	88	92	97	102	107	112	118
	7 gpm	0.95	Supply Air (°F)	145	142	139	137	134	131	129	125
			Heat (Kbtu/H)	82	86	90	95	99	104	109	114
160°F H ₂ O	10 gpm	1.92	Supply Air (°F)	134	132	130	128	126	124	121	119
			Heat (Kbtu/H)	70	74	78	82	86	91	95	101
	9 gpm	1.57	Supply Air (°F)	133	131	129	127	125	123	120	118
			Heat (Kbtu/H)	69	73	77	81	85	89	94	99
	8 gpm	1.25	Supply Air (°F)	132	130	128	126	124	121	119	117
			Heat (Kbtu/H)	68	72	75	79	83	87	91	96
	7 gpm	0.97	Supply Air (°F)	131	129	127	124	122	120	118	115
			Heat (Kbtu/H)	66	70	73	77	81	84	88	93
140°F H ₂ O	10 gpm	1.95	Supply Air (°F)	119	118	116	115	113	111	110	108
			Heat (Kbtu/H)	54	57	60	64	67	70	74	78
	9 gpm	1.6	Supply Air (°F)	119	117	116	114	112	111	109	107
			Heat (Kbtu/H)	53	56	59	62	66	69	72	76
	8 gpm	1.27	Supply Air (°F)	118	116	115	113	111	110	108	106
			Heat (Kbtu/H)	52	55	58	61	64	67	70	74
	7 gpm	0.99	Supply Air (°F)	117	115	114	112	110	109	107	105
			Heat (Kbtu/H)	51	54	57	60	62	65	68	72

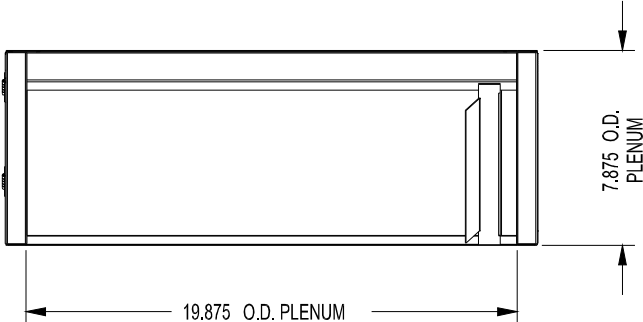
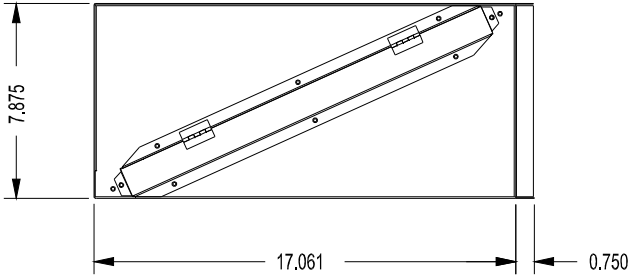
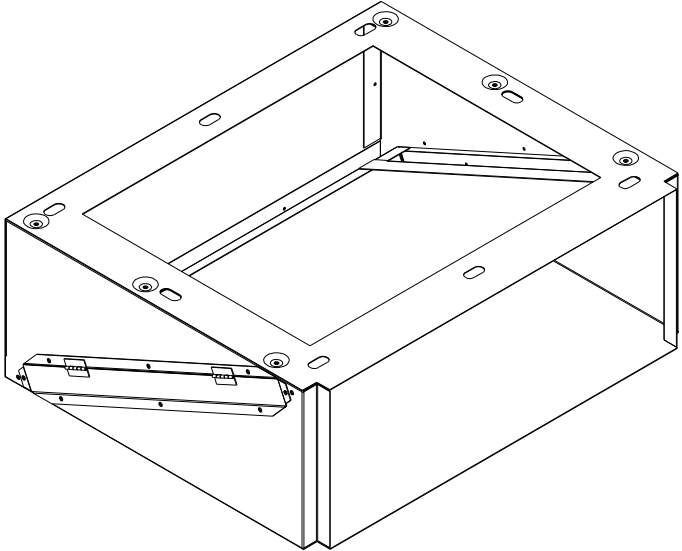
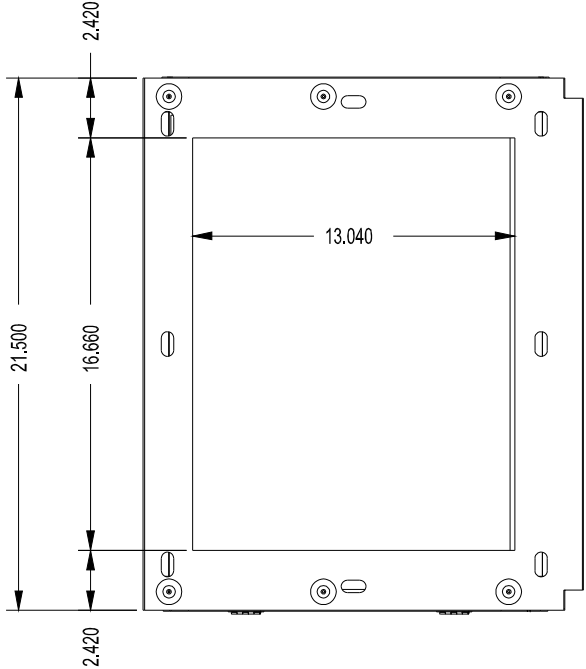
AH2436AE1 AIR HANDLER SPECIFICATIONS



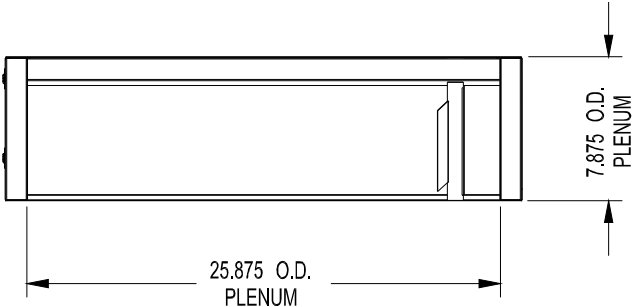
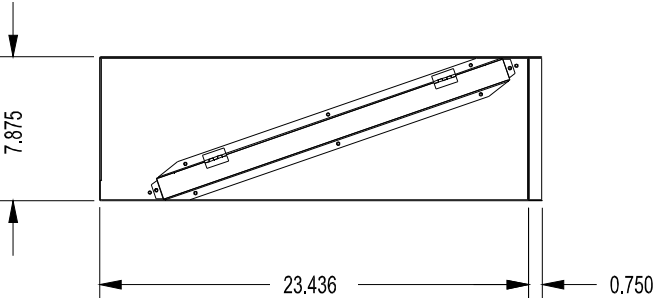
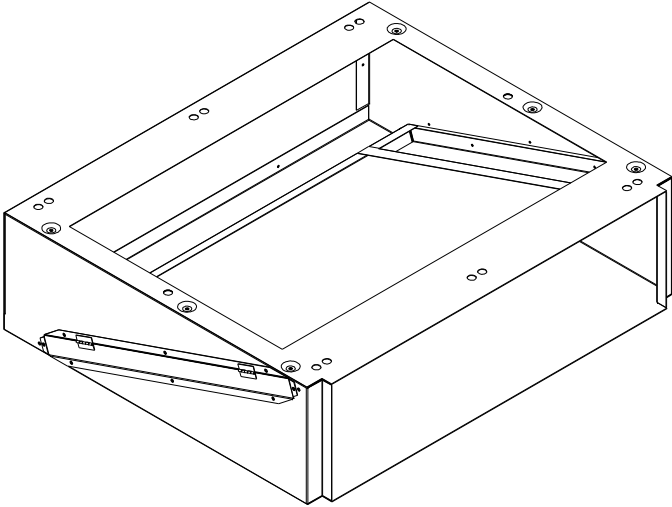
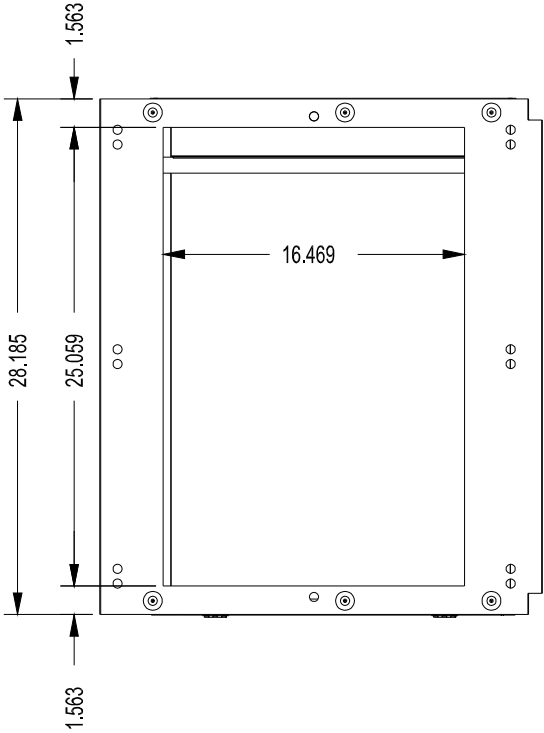
AH4260AE1 AIR HANDLER SPECIFICATIONS



UA1-C UPFLOW ADAPTER CABINET SPECIFICATIONS



UA2-C UPFLOW ADAPTER CABINET SPECIFICATIONS



A/C Evaporator Coil Applications

Furnace Model Number	AC Tonnage	Line Set	Cond. Model Number	Coil Model Number	Capacity	EER	SEER	AHRI Reference Number
AH2436AE1	2	LS01E-30 LS01E-50	TC4B2421H	HE36936UA140	23000	12.20	14.50	10203301
				-	-	-	-	-
			TC7B2421S	HE36936UA140	23600	13.00	16.00	10203304
				-	-	-	-	-
	2.5	LS01E-30 LS01E-50	TC4B3021H	HE36936UA140	29400	12.20	14.00	10203302
				-	-	-	-	-
			TC7B3021S	HE36936UA140	28400	12.50	15.00	10203305
				-	-	-	-	-
	3	LS01E-30 LS01E-50	TC4B3621H	HE36936UA140	34600	12.20	14.00	10203303
				-	-	-	-	-
			TC7B3621S	HE36936UA140	36000	12.50	15.00	10203306
				-	-	-	-	-
AH4260AE1	3.5	LS02E-30 LS02E-50	TC7B4221S	-	-	-	-	-
				HE50960UA205	41500	13.00	16.00	9136152
	4	LS02E-30 LS02E-50	TC4B4821H	-	-	-	-	-
				HE50960UA205	47500	12.20	14.50	9136144
			TC7B4821S	-	-	-	-	-
				HE50960UA205	45500	12.50	15.00	9136154
	5	1 1/8" ¹ 3/8"	TC4B6021S	-	-	-	-	-
				HE50960UA205	56000	12.20	14.00	10156162

¹ Adapter fitting must be field supplied to connect required 1 1/8" line set to 7/8" service valve connection.

Accessory Equipment



Direct Vent Termination Kit

FEATURES

- Venting for Category IV gas-fired condensing furnaces.
- May be used on 2, 2-1/2, and 3 inch vent systems.
- May be installed horizontally or vertically.
- Vent plate serves as template during installation.
- Does not add vent length to the system.
- Mounting screws and anchors included.

Thermo Pride's Direct Vent Termination Kit is installed on the outside of your home to create a clean, finished appearance, because the intake and exhaust pipes are terminated inside this attractive paintable cover.



Field supplied pipe and fittings may be required to complete the installation. See product literature for all material requirements and installation instructions.

Dimensions: 8" wide x 12" long x 2-1/2" deep

Description: 1/8" thick high-temperature PVC, molded

Specifications: Paintable to match siding or trim on installation

Installation: Installs with stainless steel screws and anchors provided with kit

Additional hardware/fittings may be necessary, depending on the installation.

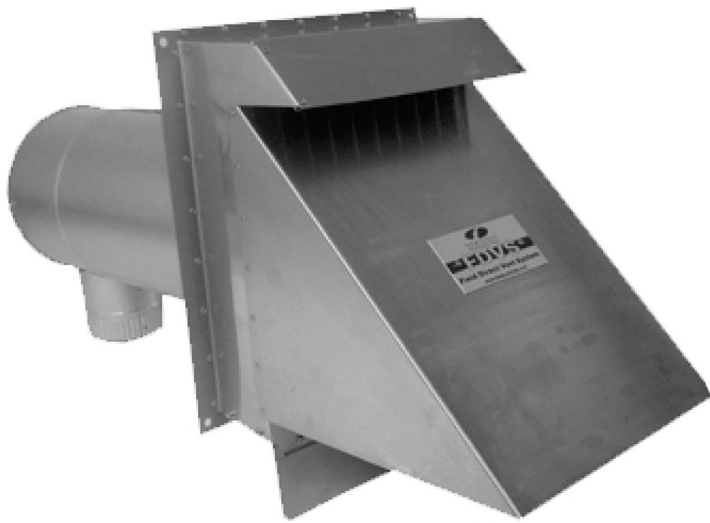
Read and follow all installation instructions included with the kit.

DIRECT VENT SYSTEM



Part No. AOPS8393 for use with Thermo Pride OH6, OL6, OD6 and Spirit VHF Furnaces

Part No. AOPS8414 for use with Thermo Pride OH8 Furnaces

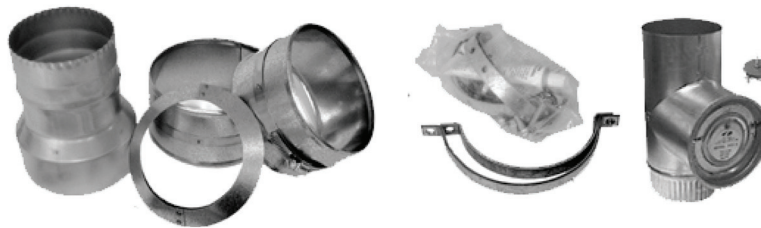


The Direct Vent System provides through-the-wall venting for Thermo Pride and Spirit Furnaces models listed above. It's the perfect solution when chimney venting is not an option, such as having an old unlined chimney in your home, or no chimney at all. The direct vent provides an outlet for exhaust gasses as well as an intake for combustion air through a single exterior wall terminal. It is also a quiet non-powered device; it does not need a noisy fan to vent the air from your furnace.

This system is applicable with either a Beckett or Riello burner. Review the information on the other side of this sheet for the details regarding connecting the direct vent kit to your furnace.

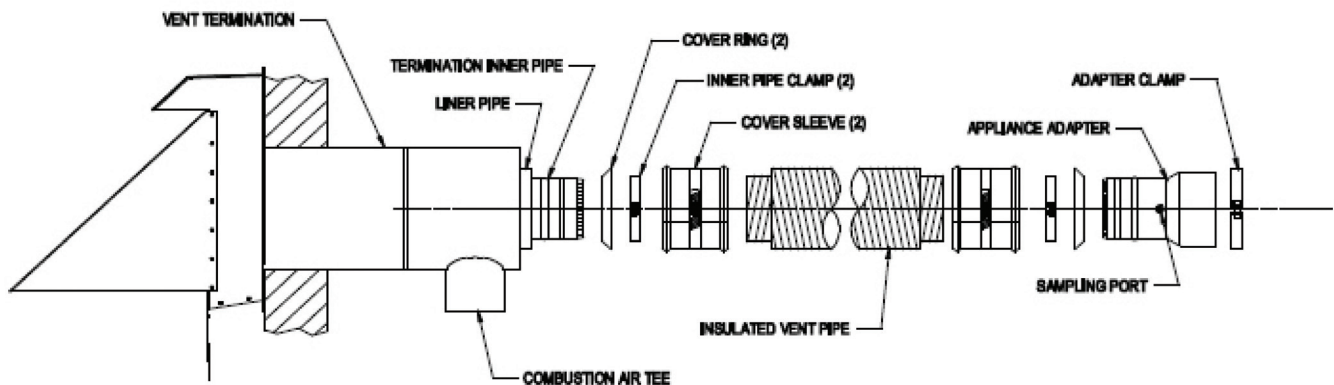
- Includes:
- FDVS Direct Vent Hood
 - VRV-4 Vacuum Relief Valve
 - Backing Plate
 - 15 Feet Flexible Stainless Vent Pipe
 - Hardware

- Cover Ring
- Cover Sleeve
- Appliance Adapter
- Adapter Clamp
- Installation Instruction Sheet



Included parts

Direct Vent System Vent Pipe Assembly



Burner Applications

The direct vent system is applicable with either a Beckett or Riello burner on the Thermo Pride Furnaces. Beckett burners are available on the Spirit Furnaces.

Beckett AFG

In addition to the direct vent kit, parts kit AOPS8394 is also needed.

AOPS8394 Includes:

3" Flex Hose
Hose Clamp
Primary
Boot
Adapter
Installation Instructions

Beckett NX

In addition to the direct vent kit, parts kit AOPS8412 is also needed.

AOPS8412 Includes:

3" Flex Hose
Hose Clamp
Genisys Primary
Boot
Adapter
Installation Instructions

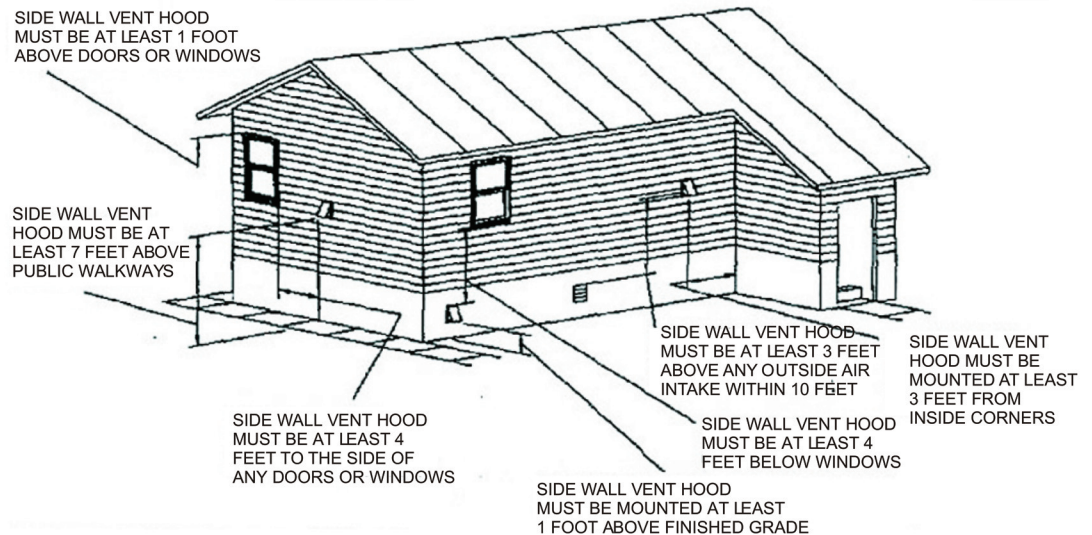
Riello BF3

In addition to the direct vent kit, parts kit AOPS8395 is also needed.

AOPS8395 Includes:

3" Flex Hose
Hose Clamp
Adapter
Installation Instructions

Vent Location Clearances



Additional Information

- 15' maximum vent length
- 5' minimum vent length
- 7" opening required in exterior wall
- 4" diameter combustion air pipe (supplied by contractor)
- Areas in contact with products of combustion are 316L stainless steel

Please reference the installation & operation manual included with each direct vent kit for complete installation instructions.





**Oil Burner
Enclosure Kits
&
Combustion Air
Intake Kits**

The Thermo Pride oil burner enclosure kits and Combustion Air Intake Kits were designed to provide outside combustion air for the Beckett AF and AFG models only. Its purpose is to control the flow of combustion air to the burner, isolate the burner from in-house air pressure changes like those caused by house exhaust fans. Each kit includes a stainless steel combustion air intake hood. The effects of direct wind against the system and resulting pressure changes are greatly reduced with the use of the hood. The hood opening contains a metal screen to help prevent the introduction of foreign objects into the system. The hood is constructed of stainless steel to allow for years of service and is easily installed.

Burner Enclosure Kits

The Oil Burner Enclosure is constructed of 22 gauge steel and is internally insulated. The enclosure is easily installed on the burner mounting plate within the furnace cabinet. Burner enclosure kits are only available for the models listed below.

Kit Part No.	Description	Oil Furnace Models
PVB-1	Thermo Pride Oil Burner Enclosure	OH2-56, OL2-56, OH3-72
PVB-1C	Thermo Pride Oil Burner Enclosure	OC2-56
PVB-2	Thermo Pride Oil Burner Enclosure	OC5-85, OH5-85, OL5-85, OH11-105, OH16-125, OL11-105, OL16-125, OL20-151

Combustion Air Intake Kits

The Combustion Air Intake kit provides for the introduction of fresh outside air to the burner through the stainless steel hood that connects to a boot on the burner air band.

Kit Part No.	Description	Oil Furnace Models
AOPS8397	Beckett AFG/AF burner combustion air intake	OH8, OH6, OD6, OL5, OL6, OL11
AOPS8413	Beckett NX burner combustion air intake	OH6
AOPS8416	Riello BF burner combustion air intake	OH6, OH8, OL6, OD6

**See our complete line of furnaces, air conditioning and heat pump products at
www.thermopride.com.**



Contact your local Thermo Pride dealer or sales person for details.

Warranties

Thermo Pride®



Warranty At-A-Glance

At Thermo Products we strive to provide the longest lasting, most reliable components on all our oil and gas furnaces, air handlers, air conditioning and heat pumps. We feel our commitment to you extends beyond the point of sale. That is why we offer one of the strongest warranties in the industry.

Model	Limited Lifetime Heat Exchanger	Transferable Heat Exchanger	Peace of Mind Plus Unit Replacement	Parts (Years)	Prepaid Transportation	Labor First Year Only
Oil Furnaces^{1, 2}	Yes	Yes	No	10 Original Homeowner	Yes Up to 5 Yrs on Parts & Heat Exchanger	No
OD6, OH6, OH8, OL5, OL6, OL11, OL16, OL20, OME, OT11, OT16						
Gas Furnaces^{1, 2}	Yes	Yes	Yes Up to 10 Years	10 Original Homeowner	Yes Up to 5 Yrs on Parts & Heat Exchanger	No
CLHS1, CLQS1, GMD, CMA, CMC						
PGL20, PGL33	Yes	Yes	No	10 Original Homeowner	Yes Up to 5 Yrs on Parts & Heat Exchanger	No
Air Handlers						
Hydronic AH2, AH4 ¹	Hydro Coil & Evaporator Coil 10 Yrs	N/A	No	5	Yes Up to 5 Yrs on Parts & Hydro Coil	No
Air Conditioning						
TC4	N/A	N/A	Yes, Up to 5 Years Original Homeowner (Product Registration Required)	10 Original Homeowner (Product Registration Required)	Yes Up to 5 Yrs on Parts	No
TC7	N/A	N/A	Yes, Up to 5 Years Original Homeowner (Product Registration Required)	10 Original Homeowner (Product Registration Required)	Yes Up to 5 Yrs on Parts	No

1 The owner must submit the registration within 90 days otherwise the date of installation will be considered the 90th day after the date the unit was sold to the contractor.

2 Prior to September 1, 2008, parts warranty was 5 years.

Thermo Pride®



Warranty Oil Furnaces



PEACE OF MIND WARRANTY

A new heating system represents a major purchase for a homeowner. That is why Thermo Products strives to provide you with years and years of reliable and dependable service. We have such confidence in our heating equipment that we provide a Lifetime Limited Warranty for the life of the heat exchanger and a 10-year parts warranty on most models.

In addition, free transportation for replacement parts including the heat exchangers is provided for most oil furnaces. The heat exchanger warranty is automatically extended to any future owners of the home. Transfer documentation is not required. In the event that you sell your home, the new owner is still covered by the heat exchanger lifetime limited warranty. This is certainly a strong selling advantage of your home. See table below for model details.

Enrollment in the Peace of Mind Warranty is not automatic. The warranty registration should be submitted online at www.thermopride.com within 90 days or a copy of the warranty certificate included with the furnace should be mailed to Thermo Products within 90 days. If the warranty registration is not done within 90 days, the date of installation will be considered the 90th day after the date the furnace was sold to the contractor.

Buying quality heating equipment can be less costly in the long run. The Peace of Mind Warranty backs the quality, reliability, dependability and comfort provided by a Thermo Pride furnace. Contact your local sales representative for more details. Warranty subject to conditions of original warranty certificate.

Model	Limited Lifetime Heat Exchanger	Transferrable Heat Exchanger	Parts (Years)	Prepaid Transportation
Oil Furnaces¹	Yes	Yes	10 Original Homeowner	Yes Up to 5 Yrs on Parts & Heat Exchanger
OD6, OH6, OH8, OL5, OL6, OL11, OL16, OL20, OL33, OME, OT11, OT16				

¹ Prior to September 2, 2008, parts warranty was 5 years.

Thermo Pride®



Warranty Gas Furnaces



PEACE OF MIND *Plus* WARRANTY

A new heating system represents a major purchase for a homeowner. That is why Thermo Products strives to provide you with years of reliable and dependable service. We have so much confidence in our heating equipment that we provide a 10-year furnace replacement warranty (PGL Series not included). If the heat exchanger fails within 10 years of the date of installation, we will provide a replacement furnace. The heat exchanger continues to be covered by our Peace of Mind Warranty, which provides a replacement heat exchanger, as long as the unit is in the original installation location. In addition, a full ten-year parts warranty is included to the original homeowner.

In addition, free transportation for replacement parts including heat exchangers is provided for the first five years. The Lifetime Limited Warranty on the heat exchanger is provided for the life of the heat exchanger. The heat exchanger warranty is automatically extended to any future owners of the home. Transfer documentation is not required. In the event that you sell your home, the new owner is still covered by the heat exchanger Lifetime Limited Warranty. This is certainly a strong selling advantage of your home.

Enrollment in the Peace of Mind Warranty Plus is not automatic. The warranty registration should be submitted online at www.thermopride.com within 90 days or a copy of the warranty certificate included with the furnace should be mailed to Thermo Products within 90 days. If the warranty registration process is not completed within 90 days, the date of installation will be considered the 90th day after the date the furnace was sold to the contractor.

Buying quality heating equipment can be less costly in the long run. The Peace of Mind Warranty backs the quality, reliability, dependability and comfort provided by a Thermo Pride furnace. For additional details, contact your local sales representative. Warranty subject to conditions of original warranty certificate.

Model	Limited Lifetime Heat Exchanger	Transferrable Heat Exchanger	Peace of Mind Plus Unit Replacement	Parts (Years)	Prepaid Transportation
Gas Furnaces¹	Yes	Yes	Yes Up to 10 Years	10 Original Homeowner	Yes Up to 5 Yrs on Parts & Heat Exchanger
CLHS1, CLQS1, GMD, CMA, CMC					
PGL20, PGL33	Yes	Yes	No	10 Original Homeowner	Yes Up to 5 Yrs on Parts & Heat Exchanger

¹ Prior to September 1, 2008, parts warranty was 5 years.

Co-Op Advertising Guide



Co-Op Advertising Guide





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Co-op Procedure Overview

Thermo Products believes it is our responsibility to assist our dealers in promoting Thermo Products. One way we hope to accomplish this is by issuing co-op credit to our dealers.

Thermo Products will credit up to 50% of the cost of qualified items. Co-op credit is earned each time you purchase from Thermo Products and is accrued up to a total of 2% of your annual purchases. Thermo Products purchases made this year increase your co-op credit for the following year. For example: If you purchased \$20,000 in Thermo Products purchases in 2013, you could receive up to \$400 in co-op advertising credit for 2014. Therefore, if you spent \$800 on advertising, promotional items, trade show booths, etc., Thermo Products would credit up to \$400 of your \$800 cost. Co-op advertising credit cannot be carried over from year to year.



Items qualified for co-op credit include, but are not limited to:

1. Thermo Pride Promotional Items
2. Dealer Home Show Booths
3. Television/Print/Radio/Yellow Pages Advertising
4. Billboards
5. Direct Mail Postcards
6. Promotional Flyers

To receive the full co-op reimbursement, Thermo Products competitors' names and/or products may not appear in the advertisement or booth.

To file your claim for co-op credit, attach proof of purchase. This can be the invoice from the vendor you purchased the promotional item or advertising from. A sample, photograph, or image of the item or a copy of the ad will need to be included as well.

Submit to:

Thermo Products, LLC

2341 Boston Road, Unit 220

Wilbraham, MA 01095

Email to: tpmarketing@thermopride.com

Claims must be submitted to and received before November 30th of the current co-op year and Thermo Products reserves the right to reject any claims we feel do not meet the established co-op guidelines.

Dealer Home Shows

Thermo Pride promotes its products through dealer home shows. We will provide or make available the following to our dealers for home shows:

- Co-op monies up to 50% of the booth rental charges
- Co-op monies up to 50% of the cost of Thermo Pride promotional items
- Product literature
- Cutaway units (as outlined below)
- Display equipment (not a cutaway) available for sale on our regular display terms program—net 90 days (for those dealers whose account is current and terms are approved by the credit department).

To order literature, and/or display equipment, we request you notify Thermo Products AT LEAST 30 DAYS prior to the show date. This allows the necessary time to have literature and/or equipment ready and delivered for the show. Contact the Customer Service Department at 1-800-348-5130 to place your order. Be sure to submit the paid invoice(s) for booth rental charges and/or promotional items to receive co-op credit.



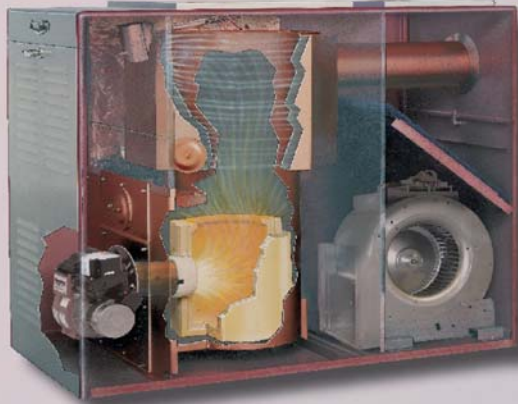
Cutaways

What better way to promote Thermo Pride furnaces than showing a cutaway furnace at trade shows, home shows and county fairs. The interested homeowner can “kick the tires” as the saying goes. Actually seeing a Thermo Pride furnace helps to emphasize the quality.

Below is a list of available cutaway furnaces we loan to you for your use.

- OH6FC072D48
- OL6RC072D48
- OME-72D36C

When ordering a cutaway furnace, the furnace is loaned to you at no cost other than freight. You will be invoiced the freight charge of \$100 for each cutaway furnace. If you are interested in obtaining a cutaway furnace or would like more information on this program, please contact your Thermo Products sales representative to coordinate arrangements.



Literature

Product brochures are an excellent sales tool for presentations and quotes to prospective customers. It is our experience that most people will look over materials that are left with them and our product brochures help you present your company and Thermo Products in a way homeowners will understand. This is just a sampling of the literature we have available. Contact your sales representative for available literature. There is no cost for literature.

To order product brochures contact the Customer Service Department at 1-800-348-5130 or your Thermo Pride sales representative.



Truck Decals

Add a touch of Thermo Pride to your fleet with a truck decal. These self-adhesive decals are available FREE to you and are an excellent way to show you promote a quality product. The following sizes are available.

- Large, order MS81410608016 measures 24" x 18"

Contact your sales representative or Customer Service at 800-348-5130 to place your order.



Window Decals

Add a touch of Thermo Pride to your storefront or fleet's windows with our window decals. There is no cost for window decals.

- The window decal measures 2 1/2" x 5, order MS81410608073

Contact your sales representative or Customer Service at 800-348-5130 to place your order.



Thermo Products Banner

A Thermo Products banner is an excellent promotional tool for contractors. These banners are available for FREE and can be used for display either at a dealer's place of business or at trade shows. The banner is approximately 42" x 24" in size and has a grommets for hanging. Contact your sales representative or Customer Service at 800-348-5130 to place your order.



Dealer Created Advertising Design Guidelines

These guidelines are intended to assist Thermo Pride dealers in creating advertising which meets the standards necessary to receive maximum co-op reimbursement.

- Proper usage of the Thermo Pride trademark is required.
- Thermo Pride is a registered trademark of Thermo Products, LLC.
- Whenever the trade name “Thermo Pride” appears with a product or program, it should be accompanied by the ® symbol.
- The ® symbol only needs to be used at the first mention of the Thermo Pride trade name on every page.
- Thermo Pride reserves the right to revoke permission to use its logo at any time.
- To receive a digital copy of the logo, e-mail tpmarketing@thermopride.com.
- The Thermo Pride logo is black. When printing, only the black logo is acceptable.
- Thermo Pride must represent at least 25% of the advertisement area.
- The Thermo Pride logo must be large enough to be fully legible and easily recognizable within the advertisement.
- No more than two non-competing companies or products can be shown in the same advertisement.
- No competing products or manufacturers can appear in the same advertisement.

Radio Advertising

The Thermo Pride name, used alone or in conjunction with Thermo Pride products, must be used a minimum of three times in a 30-second advertisement and five times in a 60-second advertisement.

Other Activities

Any activity not outlined in these guidelines must be submitted to Thermo Pride’s marketing department for consideration prior to the activity at tpmarketing@thermopride.com.



Thermo Products, LLC
P.O. Box 217
North Judson, IN 46366
800-348-5130
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Spirit Oil Furnaces

Spirit series by
Thermo Products, LLC

Spirit Series Oil Furnaces

Low-Profile Highboy,
Lowboy, Highboy,
Horizontal/Counterflow



Experience the comfort of Spirit oil furnaces!

Experience the Comfort of Oil Heat

Spirit Series oil furnaces are versatile and reliable and this is evident in all three series.

- VHF Series - Low-Profile Highboy
- VL Series - Lowboy
- VC Series Horizontal/Counterflow

Standard features consist of a heavy-gauge drum-style heat exchanger and ceramic fiber combustion chamber which serves to greatly reduce combustion noise associated with expansion and contraction. This design heats up quickly, re-radiates heat back into the fire providing more complete combustion and cools down quickly after the burner stops.

Each Spirit oil furnace is built with a heavy duty 22-gauge powder coated cabinet for a durable, tough finish that will ensure long life and a quality appearance. The full cabinet foil-faced high density fiberglass insulation reduces heat loss and sound levels.



Beckett oil burners are respected in the industry and the top choice for quality and reliability. All the components utilize the latest technology and are readily available. All furnaces come with the time-tested Beckett AFG model burner.

Spirit furnaces are equipped with a multi-speed direct drive blower motor. The entire blower assembly can be removed for cleaning. An optional variable speed ECM blower motor is available on the low-profile highboy.



Energy Star Qualified Unit

The VHF-ABT Low-Profile Highboy and the VH8FA119T60B Highboy, both with ECM blower motor and Beckett AFG burner, are Energy Star 4.0 qualified. Products that have earned the Energy Star are designed to protect the environment through superior energy efficiency. Go to www.energystar.gov for additional details.



Limited Lifetime Warranty

We are so confident of our Spirit oil furnace's quality that we stand behind our products with our Limited Lifetime Warranty on the heat exchanger and 5-year Parts Warranty. See warranty for details.



Features & Benefits



Go to www.energystar.gov for qualifying products.

Heavy Duty 22 gauge cabinet with powder coated finish for long-lasting durability

High quality Beckett AFG burner

Dual cleanout ports

Limited Lifetime Heat Exchanger Warranty to original homeowner and 5-year parts warranty See warranty for details.

40 VA transformer and fan control are factory wired for easy add-on cooling installation.

Heavy duty heat exchanger with long lasting fiber combustion chamber.

No sharp edges folded and flattened

Independent door removal

Up to 4 tons of cooling. VL & VC models use optional airflow kit

PSC blower motor or ECM blower motor for increased energy savings. See specs on back for details.



Product Specifications



MODEL NUMBER	FLUE	AFUE%	BTU/H OUTPUT	DIMENSIONS (INCHES) W x L x H	SUPPLY AIR OUTLET (INCHES) W x D	RETURN AIR INLET Flange Dimension (INCHES) D x H	FLUE DIA. (IN)	MAXIMUM A/C CAPACITY STD.	UPGRADE	APPROX. SHIP WEIGHT
OIL - LOW-PROFILE HIGHBOY MODELS										
PREMIERE LOW-PROFILE HIGHBOY WITH PSC BLOWER MOTOR AND BECKETT AFG BURNER										
VHF-ABP	Front	85	60,000 / 72,000 / 90,000	21 x 30 x 45	19 x 19	24 x 14 1/4	5	4	—	240
LOW-PROFILE HIGHBOY WITH ECM DIRECT DRIVE BLOWER MOTOR AND BECKETT AFG BURNER										
VHF-ABT	Front	85	60,000 / 72,000 / 90,000	21 x 30 x 45	19 x 19	24 x 14 1/4	5	4	—	275
OIL - LOWBOY MODELS										
LOWBOY WITH PSC DIRECT DRIVE BLOWER MOTOR AND BECKETT AFG BURNER										
VLF-CBP	Front	85	70,000 / 88,000 / 98,000 / 114,000	22 -1/4 x 47 x 41-1/2	20 x 20	20 x 12 1/2	6	3.5	4	305
VLR-CBP	Rear	85	70,000 / 88,000 / 98,000 / 114,000	22-1/4 x 47 x 41-1/2	20 x 20	20 x 12 1/2	6	3.5	4	305
LOWBOY WITH PSC DIRECT DRIVE BLOWER MOTOR AND BECKETT AFG BURNER (LARGE CAPACITY)										
VL8FA119P60B	Front	85	101,000 / 119,000 / 132,000	24-1/2 x 55-1/2 x 38-1/2	20 x 20	20 x 16	7	5	N/A	345
VL8RA119P60B	Rear	85	101,000 / 119,000 / 132,000	24-1/2 x 55-1/2 x 38-1/2	20 x 20	20 x 16	7	5	N/A	345
OIL - HIGHBOY MODELS										
HIGHBOY WITH PSC DIRECT DRIVE BLOWER MOTOR AND BECKETT AFG BURNER										
VH8FA119P60B	Front	85	101,000 / 119,000 / 132,000	24 1/2 x 36 1/2 x 50 1/8	20 x 20	23-3/4 x 19	7	5	N/A	335
HIGHBOY WITH ECM BLOWER MOTOR AND BECKETT AFG BURNER										
VH8RA119P60B	Rear	85	101,000 / 119,000 / 132,000	24 1/2 x 36 1/2 x 50 1/8	20 x 20	23-3/4 x 19	7	5	N/A	335
OIL - COUNTERFLOW / HORIZONTAL										
Counterflow/Horizontal WITH PSC DIRECT DRIVE BLOWER MOTOR AND BECKETT AFG BURNER										
VC-CBP*	Front	85	69,000 / 89,000 / 97,000	22 1/4 x 22 1/4 x 61 1/4	16 x 16	16 x 16	6	3.5	4	300

* The VC counterflow/horizontal models have exposed burners and are not approved for attic installation.

Accessories

PART NO.	DESCRIPTION	FOR USE WITH
Repair Parts Kit		
AOPS2695	Furnace Repair Parts Kit	VHF-ABT, VHF-ABP, VH8, VLF-CBP, VLR-CBP, VC-CBP
4-Ton Airflow Kit		
S00S4141	4-Ton Airflow Upgrade Kit	VLF-CBP, VLR-CBP
S00S4140	4-Ton Airflow Upgrade Kit	VC-CBP
Blocked Vent Kit		
AOPS2686	Blocked Vent Kit (Canadian Applications)	All Models
Combustion Air Kit for Beckett Burners		
AOPS7482	Combustion Air Kit	VLF-CBP, VLR-CBP, VC-CBP
AOPS8397	Combustion Air Kit	VHF-ABT, VHF-ABP, VH8, VL8
Combustible Floor Base		
VC-Base	Combustible Floor Base	VC-CBP
Direct Vent Kits		
AOPS8393	Direct Vent Termination Kit	VHF-ABT, VHF-ABP
AOPS8414	Direct Vent Termination Kit	VH8, VL8
AOPS8394	Direct Vent AFG Accessory Kit	VHF-ABP, VH8, VL8

Air Conditioning

Add Air Conditioning or a Heat Pump

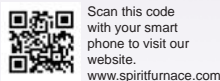
Add Thermo Pride air conditioning to your Spirit oil furnace for added indoor comfort.

Offered in two efficiency levels, the TC4 Series offers 14 SEER efficiencies and the TC7 offers up to 16 SEER efficiencies.

The TC4 Series is approved for the North and South-east Regions. The TC7 Series is approved for all U.S. Regions. Both meet the new Regional Minimum Efficiency Standards.

The TC4 Series is available in 2.0, 2.5, 3.0, 4.0 or 5.0 tons of cooling. The TC7 Series is available in 2.0, 2.5, 3.0, 3.5 or 4.0 tons of cooling.

Our air conditioning condensers include a 5-year Peace of Mind Plus Limited Warranty. If the compressor fails within the first 5 years of the date of installation, we will replace the entire condenser. After the fifth year, the air conditioning condenser continues to be covered by our 10-year Compressor and Parts Warranty. The owner must register the product within 90 days of installation to activate warranty coverage. Otherwise, the warranty reverts to 5 years on parts and coil and standard 10-year compressor warranty. See warranty for details.



Scan this code with your smart phone to visit our website.
www.spiritfurnace.com

Visit us at www.spiritfurnace.com

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OIL FIRED UPFLOW FURNACE SPECIFICATIONS

MODEL NO.	VHF-ABP / VHF-ABT (BECKETT AFG)		
HEATING CAPACITY	High Fire	Med Fire ¹	Low Fire
HEAT INPUT RATE (BTUH)	106,250	85,000	70,000
OUTPUT BTUH ²	90,000	72,000	60,000
SEASONAL EFFICIENCY ³	85.0%		
LARGEST REC A/C ⁴	4 Tons		
NOMINAL TEMP RISE	70°	70°	70°
HEAT EXCHANGE AREA			
CASING HEIGHT (IN.):	45"		
CASING WIDTH (IN.):	21"		
CASING DEPTH (IN.):	30"		
NOMINAL FLUE OUTLET DIA.	5"		
APPROX SHIPPING WEIGHT	270		
APPROVAL AGENCY	ETL		
QTY AND SIZE OF PERMANENT FILTERS	(1) 25" X 16" X 1"		
ELECTRICAL REQUIREMENTS	120/60/1		
MAX FUSE SIZE	15		
TOTAL CURRENT (AMPS) PSC / ECM	8.7 / 8.5		
HEIGHT FROM FLOOR TO CENTER OF FLUE	40-11/16"		
SUPPLY AIR OUTLET SIZE (W-IN. X D-IN.)	19" X 19"		
RETURN AIR DUCTWORK CONNECTION FLANGE SIZE ON FILTER RACK (D-IN. X H-IN.)	24" X 14-1/4"		
RETURN AIR INLET OPENING SIZE IN SIDE CASING (TO BE CUT-OUT BY DEALER) (D-IN. X H-IN.)	23" X 14"		
FIELD VENT TERMINATION KIT	AOPS8393		
SIDEWALL VENT ACCESSORIES KIT	AOPS8394		
COMBUSTION AIR KIT FOR BECKETT	AOPS8397		
BLOCKED VENT KIT ⁵	AOPS2686		
PARTS KIT	AOPS2695		

- SEE NEXT PAGE FOR MORE DATA -

¹ AFUE RATINGS AS SHIPPED

² OUTPUT BTUH BASED ON ANNUAL FUEL UTILIZATION EFFICIENCY RATED BY MANUFACTURER.

³ SEASONAL EFFICIENCY (ALSO CALLED AFUE - ANNUAL FUEL UTILIZATION EFFICIENCY) RATINGS ARE BASED ON TESTS FOLLOWING U.S. DEPARTMENT OF ENERGY TEST PROCEDURES.

⁴ TO PERMIT LARGEST RECOMMENDED AIR CONDITIONING (AT .5 STATIC PRESSURE), SELECTION OF THE HIGHEST MOTOR SPEED IS REQUIRED.

ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

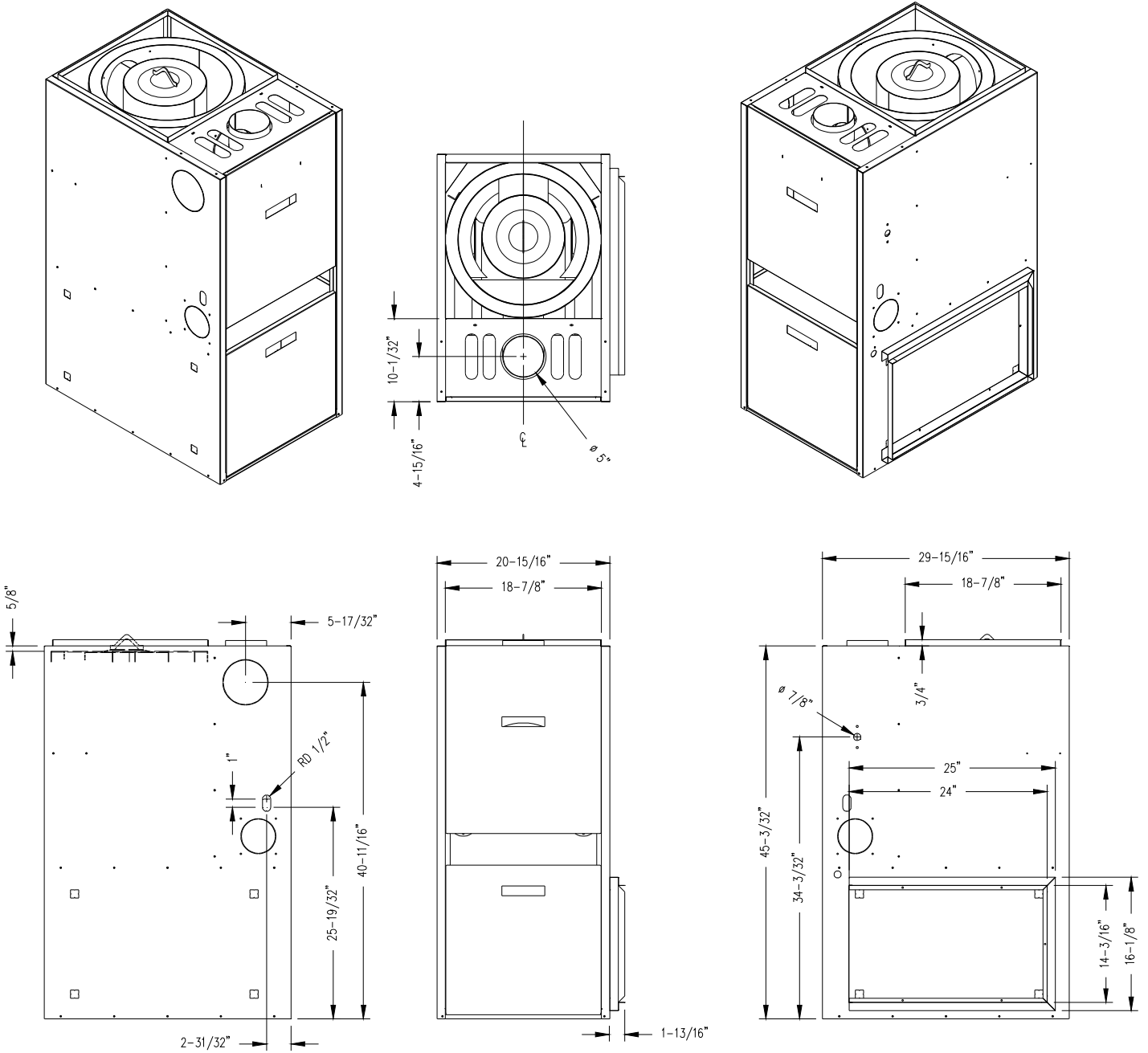
⁵ NOT TO BE USED IN SIDEWALL VENT APPLICATIONS, USE ONLY WHEN CHIMNEY VENTED.

OIL FIRED UPFLOW FURNACE SPECIFICATIONS

Model Number Digit	1	2	3	4	5	6	7
	Series	Configuration	Flue		Design Change	Burner Type	Blower Type
Oil Furnace Model Nomenclature Example Model Numbers	V	H	F	-	A	B	P
	V	H	F	-	A	B	T
V = Spirit, Oil Furnace	V						
H = Highboy		H					
F = Front			F				
				-			
Design Change					A		
Burner Type: B = Beckett AFG						B	
Motor Type: P = PSC, T = CTM (Constant torque ECM)							P

- SEE NEXT PAGE FOR MORE DATA -

OIL FIRED UPFLOW FURNACE SPECIFICATIONS



- SEE NEXT PAGE FOR MORE DATA -

OIL FIRED UPFLOW FURNACE SPECIFICATIONS

BLOWER DATA:	VHF-ABP	VHF-ABT
BLOWER MODEL (DIRECT DRIVE)	10-9R	10-9R
MOTOR H.P.	1/2 HP	1/2 HP
MOTOR TYPE & NUMBER OF SPEEDS	PSC - 4	CTM - 5
HIGH SPEED AIRFLOW (SCFM) @ 0.5 IN. W.G. EXTERNAL STATIC PRESSURE:	1569	1561
Diameter x Width	10 x 9	10 x 9

BURNER DATA	BECKETT "AFG" S - PLATE 3912 (3-5/8U) 31517 CERAMIC		
AIR TUBE LENGTH (IN.)	4 ½"		
BURNER HEAD TYPE:	F-3		
FUEL TYPE:	#2		
NOZZLE RATING (GPH):	.75	.60	.50
SPRAY ANGLE (DEG.):	80°	80°	80°
SPRAY PATTERN:	HOLLOW (A)	HOLLOW (A)	HOLLOW (A)
OIL PUMP PRESSURE (PSIG):	120 PSI		
COMBUSTION CHAMBER TYPE:	REFRACTORY (SOFT CHAMBER)		

CLEARANCES	
	MINIMUM CLEARANCES TO COMUSTIBLE MATERIALS:
SIDES	0"
FRONT (SERVICE ACCESS)	24"
REAR	0"
FLUE	7"
TOP PLENUM	1"

- SEE NEXT PAGE FOR MORE DATA -

OIL FIRED UPFLOW FURNACE SPECIFICATIONS

VHF-ABP

ALTERATIONS REQ'D FOR A/C @ DESIGN EXTERNAL STATIC PRESSURE				
COOLING UNIT	HTG Speed by Input			Recommended CLG Speed
	Low Fire	Mid Fire	High Fire	
24,000	Low	ML	MH	Low
30,000	Low	ML	MH	Med Low
36,000	Low	ML	MH	Med High
42,000	Low	ML	MH	Med High
48,000	Low	ML	MH	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	930	915	912	910	822	774	730
ML	1155	1152	1130	1126	1085	1042	920
MH	1442	1432	1418	1382	1334	1293	1230
High	1802	1762	1705	1635	1569	1493	1428
Furnace Motor Current Draw (Amps) vs. External Static pressure (in. WC.)							
Low	3.28	3.1	3.02	2.91	2.64	2.49	2.36
ML	4.18	4.02	3.91	3.74	3.59	3.34	2.95
MH	5.44	5.17	4.95	4.72	4.43	4.21	3.95
High	6.61	6.36	6.04	5.73	5.46	5.17	4.9

Speed Tap\ Static Pressure	High Fire Temperature Rise vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	90	91	91	92	101	108	114
ML	72	72	74	74	77	80	91
MH	58	58	59	60	62	64	68
High	46	47	49	51	53	56	58

Speed Tap\ Static Pressure	Mid Fire Temperature Rise vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	72	73	73	73	81	86	91
ML	58	58	59	59	61	64	72
MH	46	47	47	48	50	52	54
High	37	38	39	41	42	45	47

Speed Tap\ Static Pressure	Low Fire Temperature Rise vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	60	61	61	61	68	72	76
ML	48	48	49	49	51	53	60
MH	39	39	39	40	42	43	45
High	31	32	33	34	35	37	39

- SEE NEXT PAGE FOR MORE DATA -

OIL FIRED UPFLOW FURNACE SPECIFICATIONS

VHF-ABT

ALTERATIONS REQ'D FOR A/C @ DESIGN EXTERNAL STATIC PRESSURE				
COOLING UNIT	HTG Speed by Input			Recommended CLG Speed (Color)
	Low fire	Mid Fire	High Fire	
24,000	Low	Low / ML	Med	Low (Red)
30,000	Low	Low / ML	Med	ML (Purple)
36,000	Low	Low / ML	Med	Med (Blue)
42,000	Low	Low / ML	Med	MH (Yellow)
48,000	Low	Low / ML	Med	High (Black)

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	1037	1012	966	889	821	789	738
ML	1221	1172	1139	1116	1037	979	946
MED	1342	1303	1278	1247	1205	1150	1080
MH	1519	1498	1480	1422	1399	1366	1333
High	1681	1650	1622	1582	1561	1544	1519
Motor Current Draw (Amps/Watts) vs. External Static pressure (in. WC.)							
Low	1.5/105	1.6/114	1.7/122	1.8/134	1.8/138	1.9/143	2.0/154
ML	2.1/161	2.2/171	2.3/180	2.4/188	2.6/201	2.7/212	2.8/219
MED	2.7/215	2.9/225	2.9/235	3.1/246	3.2/255	3.3/267	3.5/282
MH	3.9/319	4.0/331	4.2/340	4.2/351	4.3/358	4.5/371	4.6/383
High	5.1/429	5.3/445	5.4/457	5.5/478	5.7/488	5.8/498	5.8/499

Speed Tap\ Static Pressure	High Fire Temperature Rise vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	80	82	86	93	101	105	112
ML	68	70	73	74	80	84	87
MED	62	63	65	66	69	72	77
MH	54	55	56	58	59	60	62
High	49	50	51	52	53	54	54
Speed Tap\ Static Pressure	Mid Fire Temperature Rise vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	64	66	69	75	81	85	91
ML	55	57	59	60	64	68	71
MED	50	51	52	54	56	58	62
MH	44	45	45	47	48	49	50
High	40	41	41	42	43	43	44
Speed Tap\ Static Pressure	Low Fire Temperature Rise vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	52	54	56	61	66	69	74
ML	45	46	48	49	52	56	58
MED	41	42	43	44	45	47	50
MH	36	36	37	38	39	40	41
High	32	33	34	34	35	35	36

- SEE NEXT PAGE FOR MORE DATA -

A/C Evaporator Coil Applications

Furnace Model Number	AC Tonnage	Line Set	Cond. Model Number	Coil Model Number	Capacity	EER	SEER	AHRI Reference Number
VHF-ABP VHF-ABT	2	LS01E-30	TC4B2421H	HE33636PA212 ¹	23000	12.20	14.00	9136135
				HE47636PA212 ¹	23000	12.20	14.50	9136136
		LS01E-50	TC7B2421S	HE33636PA212 ¹	23600	12.50	15.00	9136145
				HE47636PA212 ¹	23600	13.00	16.00	9136146
	2.5	LS01E-30	TC4B3021H	HE33636PA212 ¹	29400	11.70	14.00	9136137
				HE47636PA212 ¹	29400	12.20	14.50	9136138
		LS01E-50	TC7B3021S	HE33636PA212 ¹	28000	12.50	15.00	9136147
				HE47636PA212 ¹	28400	13.00	16.00	9136148
	3	LS01E-30	TC4B3621H	HE33636PA212 ¹	34400	11.70	14.00	9136139
				HE47636PA212 ¹	34600	12.20	14.50	9136140
		LS01E-50	TC7B3621S	HE33636PA212 ¹	34800	12.20	15.00	9136149
				HE47636PA212 ¹	36000	13.00	16.00	9136150
	3.5	LS02E-30	TC7B4221S	-	-	-	-	-
				HE50660PA212 ¹	41500	13.00	16.00	9136152
	4	LS02E-30	TC4B4821H	-	-	-	-	-
				HE50660PA212 ¹	47500	12.20	14.50	9136144
		LS02E-50	TC7B4821S	-	-	-	-	-
				HE50660PA212 ¹	45500	12.50	15.00	9136154

¹ Will need field supplied transition to connect furnace to cased coil.

Spirit series^{by}

Thermo Products, LLC

OIL FIRED UPFLOW FURNACE SPECIFICATIONS

MODEL NO.	VH8FA119P60B VH8FA119T60B (BECKETT AFG)		
HEATING CAPACITY	High Fire	* Med Fire	Low Fire
HEAT INPUT RATE (BTUH)	156,250	140,000	119,000
OUTPUT BTUH ¹	132,000	119,000	101,000
SEASONAL EFFICIENCY ²	* 85.0%		
LARGEST REC A/C ³	5 Tons		
NOMINAL TEMP RISE	66°	66°	66°
CASING HEIGHT (IN.):	50-1/8"		
CASING WIDTH (IN.):	24-1/2"		
CASING DEPTH (IN.):	36-1/2"		
NOMINAL FLUE OUTLET DIA.	7"		
APPROX SHIPPING WEIGHT (LBS)	316		
APPROVAL AGENCY	ETL		
QTY AND SIZE OF PERMANENT FILTERS	(1) 24-3/4" X 19-3/4"		
ELECTRICAL REQUIREMENTS	120/60/1		
MAX FUSE SIZE	20		
TOTAL CURRENT(AMPS) PSC / CTM	16 / 14.1		
HEIGHT FROM FLOOR TO CENTER OF FLUE	42-3/4"		
SUPPLY AIR OUTLET SIZE (W-IN. X D-IN.)	20" X 20"		
RETURN AIR DUCTWORK CONNECTION FLANGE SIZE ON FILTER RACK (D-IN. X H-IN.)	23-3/4" X 19"		
RETURN AIR INLET OPENING SIZE IN SIDE CASING (TO BE CUT-OUT BY DEALER) (D-IN. X H-IN.)	23" X 16-3/8"		
FIELD VENT TERMINATION KIT	AOPS8414		
SIDEWALL VENT ACCESSORIES KIT	AOPS8394		
COMBUSTION AIR KIT FOR BECKETT	AOPS8397		
BLOCKED VENT KIT ⁴	AOPS2686		

* AS SHIPPED SETTING

- SEE NEXT PAGE FOR MORE DATA -

1 OUTPUT BTUH BASED ON ANNUAL FUEL UTILIZATION EFFICIENCY RATED BY MANUFACTURER.

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

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

ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

4 NOT TO BE USED IN SIDEWALL VENT APPLICATIONS, USE ONLY WHEN CHIMNEY VENTED.

OIL FIRED UPFLOW FURNACE SPECIFICATIONS

Model Number Digit	1	2	3	4	5	6	7	8	9	10	11	12
	Brand	Configuration	Heat Exchanger Identifier	Flue	Design Change	Capacity	Capacity	Capacity	Blower Motor Type	Airflow Capacity for Cooling	Airflow Capacity for Cooling	Burner
Oil Furnace Model Nomenclature	V	H	8	F	A	1	1	9	P	6	0	B
Example Model Numbers	V	H	8	F	A	1	1	9	T	6	0	B
V= Spirit	V											
H = Highboy		H										
8= Heat Exchanger Identifier			8									
F = Vertical Front Flue				F								
Design Change					A							
Heating Output MBTUH (000's) – factory shipped						1	1	9				
P = PSC¹, T = CTM²									P			
Airflow: 60MBTUH = 5 Tons @ 400cfm/ton										6	0	
B = Beckett AFG												B

- SEE NEXT PAGE FOR MORE DATA -

¹ PSC = PERMANENT SPLIT CAPACITOR
² CTM = CONSTANT TORQUE MOTOR E.C.M.

OIL FIRED UPFLOW FURNACE SPECIFICATIONS

BLOWER DATA:	VH8FA119P60B	VH8FA119T60B
BLOWER MODEL	DD 12-11T	DD 12-11T
MOTOR H.P.	3/4 HP	1 HP
MOTOR TYPE & NUMBER OF SPEEDS	PSC - 4	CTM - 5
HIGH SPEED AIRFLOW (SCFM) @ 0.5 IN. W.G. EXTERNAL STATIC PRESSURE:	2069	2045
Diameter x Width	11 x 11	11 x 11

BURNER DATA	BECKETT "AFG" S - PLATE 3383 (2-3/4U) 31517 CERAMIC		
AIR TUBE LENGTH (IN.)	4 ½"		
BURNER HEAD TYPE:	F6		
FUEL TYPE:	#2		
NOZZLE RATING (GPH):	1.10	1.00	0.85
SPRAY ANGLE (DEG.):	80°	80°	80°
SPRAY PATTERN:	HOLLOW (A)	HOLLOW (A)	HOLLOW (A)
OIL PUMP PRESSURE (PSIG):	120 PSI		
COMBUSTION CHAMBER TYPE:	REFRACTORY (SOFT FIBER)		

CLEARANCES	
	MINIMUM CLEARANCES TO COMUSTIBLE MATERIALS:
SIDES	0"
FRONT (SERVICE ACCESS)	24"
REAR	0"
FLUE	8"
TOP PLENUM	1"

- SEE NEXT PAGE FOR MORE DATA -

OIL FIRED UPFLOW FURNACE SPECIFICATIONS

VH8FA119P60B

ALTERATIONS REQ'D FOR A/C @ DESIGN EXTERNAL STATIC PRESSURE				
COOLING UNIT	HTG Speed by Input			Recommended CLG Speed
	Low Fire	Mid Fire	High Fire	
36,000	Low	ML	MH	Low
42,000	Low	ML	MH	Med Low
48,000	Low	ML	MH	Med High
60,000	Low	ML	MH	High

AS SHIPPED CLG. →

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	1308	1300	1274	1265	1237	1169	1127	
ML	1583	1526	1515	1491	1458	1420	1371	
MH	1894	1874	1839	1804	1746	1683	1632	
High	2254	2228	2195	2181	2069	1995	1897	
Furnace Motor Current Draw (Amps/Watts) vs. External Static pressure (in. WC.)								
Low	7.56 698	6.99 660	6.66 637	6.50 623	6.21 602	5.91 578	5.83 568	
ML	9.21 867	8.44 801	8.19 786	8.01 772	7.61 745	7.28 715	6.93 687	
MH	10.6 1040	10.2 999	9.87 971	9.38 923	9.01 895	8.68 864	8.23 829	
High	13.5 1320	13.2 1290	12.8 1270	12.4 1240	11.3 1130	10.7 1090	10.2 1020	

Speed Tap\ Static Pressure	High Fire Temperature Rise vs. External Static pressure (in. WC.)							
	0.1	0.2	0.3	0.4	0.5	0.6	0.7	
Low	94	94	96	97	99	105	108	
ML	78	80	81	82	84	86	90	
MH	65	66	67	68	70	73	75	
High	54	55	56	56	59	62	65	

AS SHIPPED HTG. →

Speed Tap\ Static Pressure	Mid Fire Temperature Rise vs. External Static pressure (in. WC.)							
	0.1	0.2	0.3	0.4	0.5	0.6	0.7	
Low	84	84	86	87	89	94	98	
ML	70	72	73	74	76	78	80	
MH	58	59	60	61	63	65	68	
High	49	49	50	51	53	55	58	

Speed Tap\ Static Pressure	Low Fire Temperature Rise vs. External Static pressure (in. WC.)							
	0.1	0.2	0.3	0.4	0.5	0.6	0.7	
Low	72	72	73	74	76	80	83	
ML	59	61	62	63	64	66	68	
MH	49	50	51	52	54	56	57	
High	42	42	43	43	45	47	49	

- SEE NEXT PAGE FOR MORE DATA -

OIL FIRED UPFLOW FURNACE SPECIFICATIONS VH8FA119T60B

ALTERATIONS REQ'D FOR A/C @ DESIGN EXTERNAL STATIC PRESSURE				
COOLING UNIT	HTG Speed by Input			Recommended CLG Speed
	Low Fire	Mid Fire	High Fire	
36,000	ML	Med	MH	Low
42,000	ML	Med	MH	Med Low
48,000	ML	Med	MH	Med High
60,000	ML	Med	MH	High

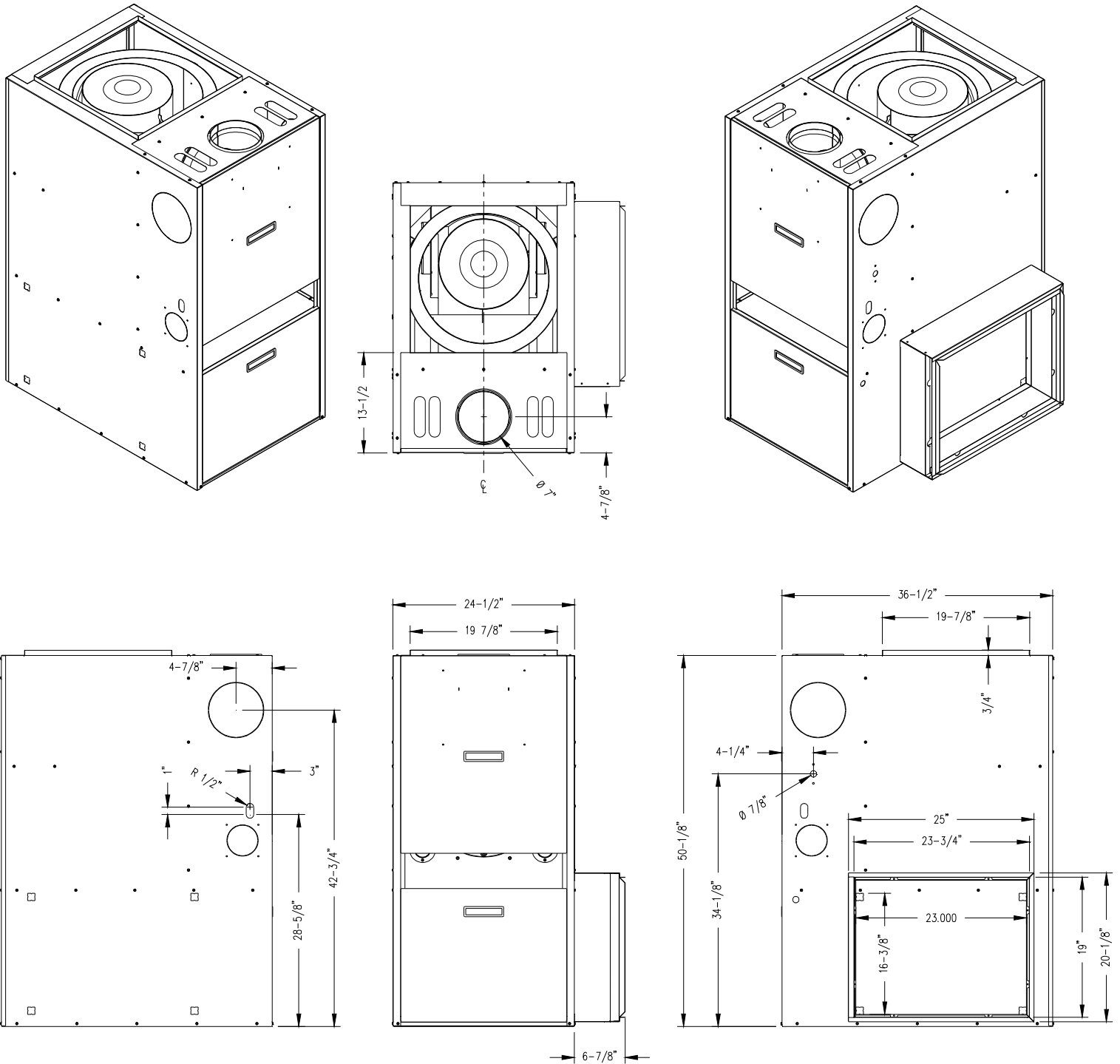
AS SHIPPED CLG. →

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	1520	1429	1385	1311	1222	1139	1085
ML	1660	1593	1536	1491	1422	1369	1295
Med	1749	1693	1652	1572	1520	1465	1391
MH	1827	1766	1692	1674	1596	1540	1487
High	2253	2185	2142	2114	2045	1991	1955
Speed Tap\ Static Pressure	Furnace Motor Current Draw (Amps/Watts) vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	2.62 211	2.81 228	2.92 237	3.07 253	3.22 268	3.35 279	3.46 289
ML	3.34 279	3.55 294	3.72 310	3.84 325	4.02 339	4.13 350	4.31 364
Med	3.74 314	3.91 327	4.11 345	4.25 360	4.39 374	4.60 390	4.74 406
MH	4.21 356	4.40 373	4.57 390	4.73 407	4.90 422	5.01 432	5.12 450
High	7.2 638	7.2 650	7.43 665	7.68 688	7.92 712	8.16 714	8.29 751
Speed Tap\ Static Pressure	High Fire Temperature Rise vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	80	85	88	93	99	105	112
ML	73	76	79	81	85	89	94
Med	69	72	73	77	80	83	87
MH	66	69	72	72	76	79	82
High	54	56	57	57	59	61	62
Speed Tap\ Static Pressure	Mid Fire Temperature Rise vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	72	77	80	84	90	97	102
ML	66	69	72	74	77	80	85
Med	63	65	67	70	73	75	79
MH	60	62	65	66	69	72	74
High	49	50	51	52	54	55	56
Speed Tap\ Static Pressure	Low Fire Temperature Rise vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	62	66	68	71	77	82	86
ML	56	59	61	63	66	68	72
Med	54	55	57	60	62	64	67
MH	51	53	55	56	59	61	63
High	42	43	44	44	46	47	48

AS SHIPPED HTG. →

- SEE NEXT PAGE FOR MORE DATA -

OIL FIRED UPFLOW FURNACE SPECIFICATIONS



- SEE NEXT PAGE FOR MORE DATA -

OIL FIRED UPFLOW FURNACE SPECIFICATIONS

A/C Evaporator Coil Applications								
Furnace Model Number	AC Tonnage	Line Set	Cond. Model Number	Coil Model Number	Capacity	EER	SEER	AHRI Reference Number
VH8FA119P60B VH8FA119T60B	3	LS01E-30 LS01E-50	TC4B3621H	HE33636PA212	34400	11.70	14.00	9136139
				HE47636PA212	34600	12.20	14.50	9136140
			TC7B3621S	HE33636PA212	34800	12.20	15.00	9136149
				HE47636PA212	36000	13.00	16.00	9136150
	3.5	LS02E-30 LS02E-50	TC7B4221S	-	-	-	-	-
				HE50660PA212	41500	13.00	16.00	9136152
	4	LS02E-30 LS02E-50	TC4B4821H	-	-	-	-	-
				HE50660PA212	47500	12.20	14.50	9136144
			TC7B4821S	-	-	-	-	-
				HE50660PA212	45500	12.50	15.00	9136154
	5	1 1/8" ¹ 3/8"	TC4B6021S	-	-	-	-	-
				HE50660PA212	56000	12.20	14.00	10156162

¹ Adapter fitting must be field supplied to connect required 1 1/8" line set to 7/8" service valve connection.

Spirit series^{by}

Thermo Products, LLC

OIL FIRED LOWBOY FURNACE SPECIFICATIONS

MODEL NO.	VL8FA119P60B / VL8RA119P60B (BECKETT AFG)		
HEATING CAPACITY	High Fire	* Med Fire	Low Fire
HEAT INPUT RATE (BTUH)	156,250	140,000	119,000
OUTPUT BTUH ¹	132,000	119,000	101,000
SEASONAL EFFICIENCY ²	* 85.0%		
LARGEST REC A/C ³	5 Tons		
NOMINAL TEMP RISE	66°	66°	66°
CASING HEIGHT (IN.):	38-1/2"		
CASING WIDTH (IN.):	24-1/2"		
CASING DEPTH (IN.):	55-1/2"		
NOMINAL FLUE OUTLET DIA.	7"		
APPROX SHIPPING WEIGHT (LBS)	320 / 322		
APPROVAL AGENCY	ETL		
QTY AND SIZE OF PERMANENT FILTERS	(2) 11-3/4" X 21-3/4"		
ELECTRICAL REQUIREMENTS	120/60/1		
MAX FUSE SIZE	20		
TOTAL CURRENT(AMPS)	19.3 / 18.7		
HEIGHT FROM FLOOR TO CENTER OF FLUE	29-1/2"		
SUPPLY AIR OUTLET SIZE (W-IN. X D-IN.)	20" X 20"		
RETURN AIR INLET SIZE (W-IN. X D-IN.)	20" X 16"		
FIELD VENT TERMINATION KIT	AOPS8414		
SIDEWALL VENT ACCESSORIES KIT	AOPS8394		
COMBUSTION AIR KIT FOR BECKETT	AOPS8397		
BLOCKED VENT KIT ⁴	AOPS2686		

* AS SHIPPED SETTING

- SEE NEXT PAGE FOR MORE DATA -

¹ OUTPUT BTUH BASED ON ANNUAL FUEL UTILIZATION EFFICIENCY RATED BY MANUFACTURER.

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

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

ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

⁴ NOT TO BE USED IN SIDEWALL VENT APPLICATIONS. USE ONLY WHEN CHIMNEY VENTED.

OIL FIRED LOWBOY FURNACE SPECIFICATIONS

Model Number Digit	1	2	3	4	5	6	7	8	9	10	11	12
	Brand	Configuration	Heat Exchanger Identifier	Flue	Design Change	Capacity	Capacity	Capacity	Blower Motor Type	Airflow Capacity for Cooling	Airflow Capacity for Cooling	Burner
Oil Furnace Model Nomenclature	V	L	8	F	A	1	1	9	P	6	0	B
Example Model Numbers	V	L	8	R	A	1	1	9	P	6	0	B
V= Spirit	V											
L = Lowboy		L										
8= Heat Exchanger Identifier			8									
F = Vertical Front Flue, R = Rear Flue				F								
Design Change					A							
Heating Output MBTUH (000's) – factory shipped						1	1	9				
P = PSC¹									P			
Airflow: 60MBTUH = 5 Tons @ 400cfm/ton										6	0	
B = Beckett AFG												B

- SEE NEXT PAGE FOR MORE DATA -

¹ PSC = PERMANENT SPLIT CAPACITOR

OIL FIRED LOWBOY FURNACE SPECIFICATIONS

BLOWER DATA:	VL8FA119P60B	VL8RA119P60B
BLOWER MODEL	DD 12-11T	DD 12-11T
MOTOR H.P.	1 HP	3/4 HP
MOTOR TYPE & NUMBER OF SPEEDS	PSC - 4	PSC - 4
HIGH SPEED AIRFLOW (SCFM) @ 0.5 IN. W.G. EXTERNAL STATIC PRESSURE:	2012	1998
Diameter x Width	11 x 11	11 x 11

BURNER DATA	BECKETT "AFG" S - PLATE 3383 (2-3/4U) 31517 CERAMIC		
AIR TUBE LENGTH (IN.)	4 ½"		
BURNER HEAD TYPE:	F6		
FUEL TYPE:	#2		
NOZZLE RATING (GPH):	1.10	1.00	0.85
SPRAY ANGLE (DEG.):	80°	80°	80°
SPRAY PATTERN:	HOLLOW (A)	HOLLOW (A)	HOLLOW (A)
OIL PUMP PRESSURE (PSIG):	120 PSI		
COMBUSTION CHAMBER TYPE:	REFRACTORY (SOFT FIBER)		

CLEARANCES	
	MINIMUM CLEARANCES TO COMUSTIBLE MATERIALS:
SIDES	0"
FRONT (SERVICE ACCESS)	24"
REAR	0"
FLUE	8"
TOP PLENUM	1"

- SEE NEXT PAGE FOR MORE DATA -

OIL FIRED LOWBOY FURNACE SPECIFICATIONS

VL8FA119P60B

ALTERATIONS REQ'D FOR A/C @ DESIGN EXTERNAL STATIC PRESSURE				
COOLING UNIT	HTG Speed by Input			Recommended CLG Speed
	Low Fire	Mid Fire	High Fire	
36,000	Low	ML	MH	Low
42,000	Low	ML	MH	Med Low
48,000	Low	ML	MH	Med High
60,000	Low	ML	MH	High

AS SHIPPED CLG. →

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	1362	1344	1293	1256	1234	1167	1111
ML	1645	1611	1599	1556	1496	1445	1389
MH	1896	1868	1818	1779	1710	1643	1561
High	2356	2235	2168	2087	2012	1919	1845
Furnace Motor Current Draw (Amps/Watts) vs. External Static pressure (in. WC.)							
Low	6.8 649	6.5 639	6.4 620	6.1 610	6.0 595	5.9 589	5.6 574
ML	8.4 819	8.3 801	7.9 793	7.8 781	7.6 765	7.3 741	6.9 710
MH	9.9 977	9.6 961	9.1 915	8.5 885	8.3 857	7.8 833	7.5 798
High	12.2 1280	11.6 1220	11.1 1160	10.7 1130	10.4 1090	10.0 1050	9.8 1020

Speed Tap\ Static Pressure	High Fire Temperature Rise vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	90	91	95	98	100	105	111
ML	75	76	77	79	82	85	89
MH	65	66	68	69	72	75	79
High	52	55	57	59	61	64	67

AS SHIPPED HTG. →

Speed Tap\ Static Pressure	Mid Fire Temperature Rise vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	81	82	85	88	89	94	99
ML	67	68	69	71	74	76	79
MH	58	59	61	62	64	67	71
High	47	49	51	53	55	57	60

Speed Tap\ Static Pressure	Low Fire Temperature Rise vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	69	70	72	75	76	80	84
ML	57	58	59	60	63	65	67
MH	49	50	52	53	55	57	60
High	40	42	43	45	47	49	51

- SEE NEXT PAGE FOR MORE DATA -

OIL FIRED LOWBOY FURNACE SPECIFICATIONS

VL8RA119P60B

ALTERATIONS REQ'D FOR A/C @ DESIGN EXTERNAL STATIC PRESSURE				
COOLING UNIT	HTG Speed by Input			Recommended CLG Speed
	Low Fire	Mid Fire	High Fire	
36,000	Low	ML	MH	Low
42,000	Low	ML	MH	Med Low
48,000	Low	ML	MH	Med High
60,000	Low	ML	MH	High

AS SHIPPED CLG. →

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	1329	1330	1315	1282	1238	1189	1158	
ML	1598	1576	1572	1546	1489	1404	1355	
MH	1863	1842	1829	1787	1730	1690	1604	
High	2218	2160	2136	2066	1998	1942	1845	

Speed Tap \ Static Pressure	Furnace Motor Current Draw (Amps/Watts) vs. External Static pressure (in. WC.)							
	0.1	0.2	0.3	0.4	0.5	0.6	0.7	
Low	7.0 649	6.7 635	6.3 611	6.2 596	6.0 579	5.8 560	5.7 551	
ML	8.5 816	7.9 769	8.2 786	7.9 739	7.3 715	6.9 677	6.6 657	
MH	9.9 960	9.4 938	9.1 903	8.8 883	8.7 870	8.5 853	8.0 804	
High	12.0 1210	11.3 1150	11.0 1110	10.5 1070	10.3 1040	10.1 1010	9.5 958	

Speed Tap \ Static Pressure	High Fire Temperature Rise vs. External Static pressure (in. WC.)							
	0.1	0.2	0.3	0.4	0.5	0.6	0.7	
Low	93	92	94	96	99	103	106	
ML	77	78	78	80	83	88	91	
MH	66	67	69	69	71	73	77	
High	55	57	58	60	62	63	67	

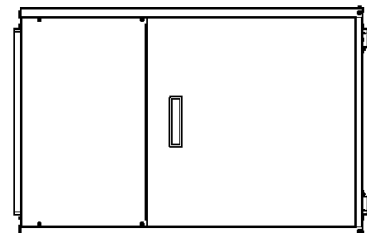
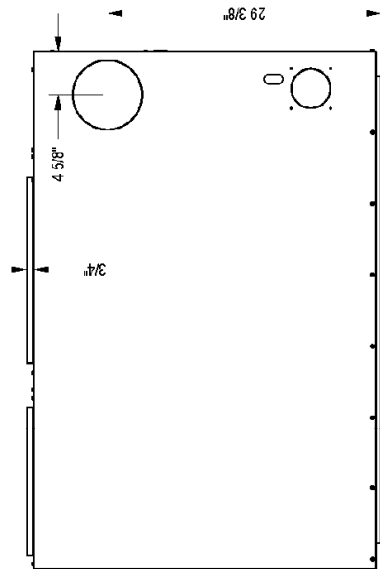
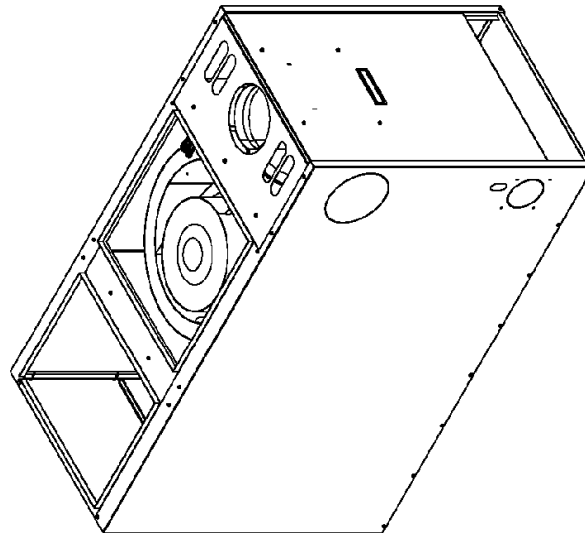
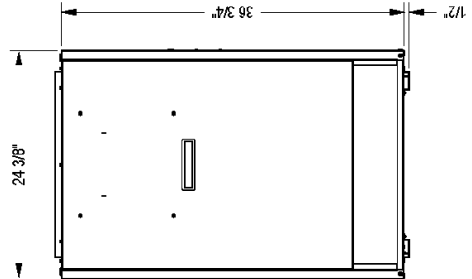
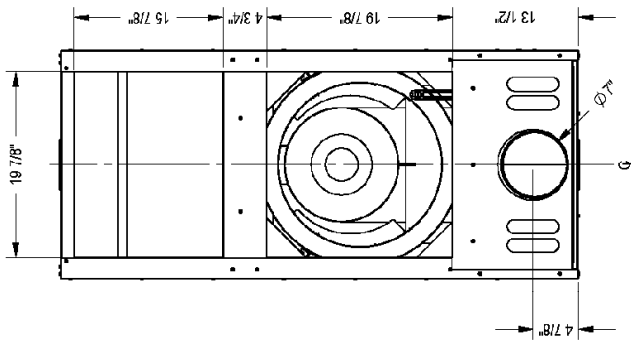
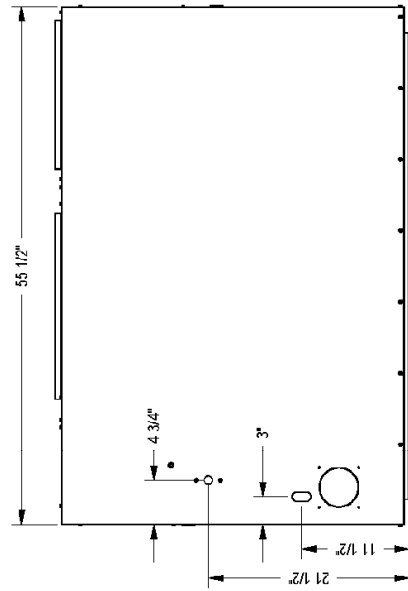
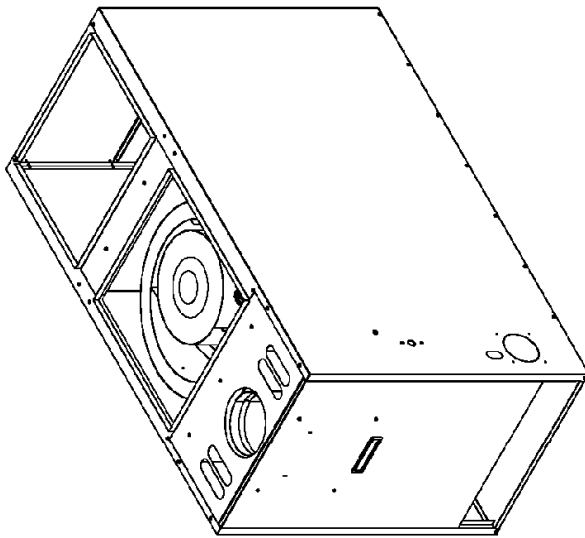
AS SHIPPED HTG. →

Speed Tap \ Static Pressure	Mid Fire Temperature Rise vs. External Static pressure (in. WC.)							
	0.1	0.2	0.3	0.4	0.5	0.6	0.7	
Low	81	83	84	86	89	93	95	
ML	69	70	70	71	74	78	81	
MH	59	60	60	62	64	65	69	
High	50	51	52	53	55	57	60	

Speed Tap \ Static Pressure	Low Fire Temperature Rise vs. External Static pressure (in. WC.)							
	0.1	0.2	0.3	0.4	0.5	0.6	0.7	
Low	70	70	71	73	76	79	81	
ML	59	59	60	61	63	67	69	
MH	50	51	52	52	54	55	58	
High	42	43	44	45	47	48	51	

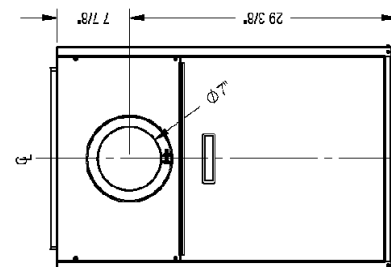
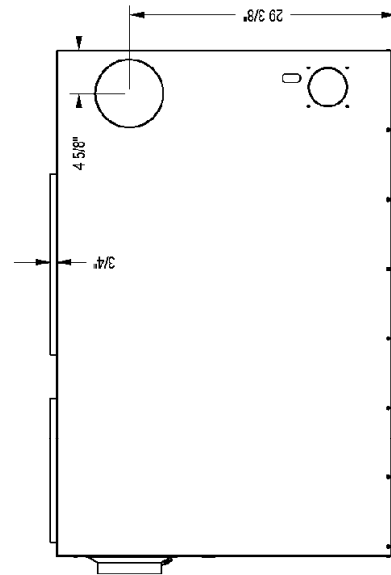
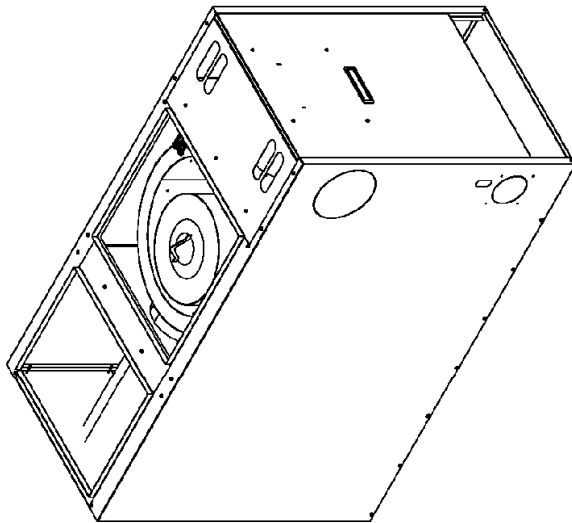
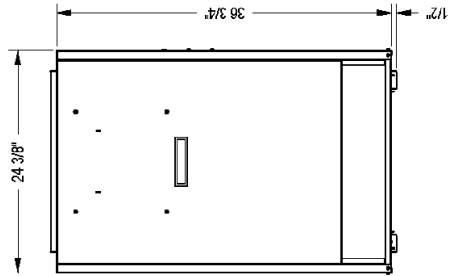
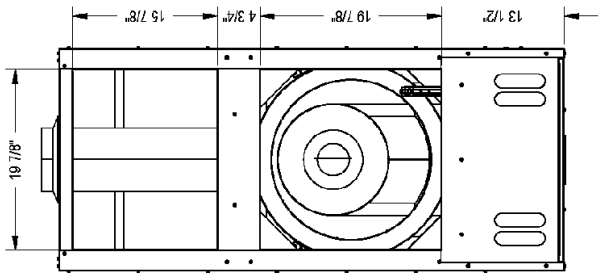
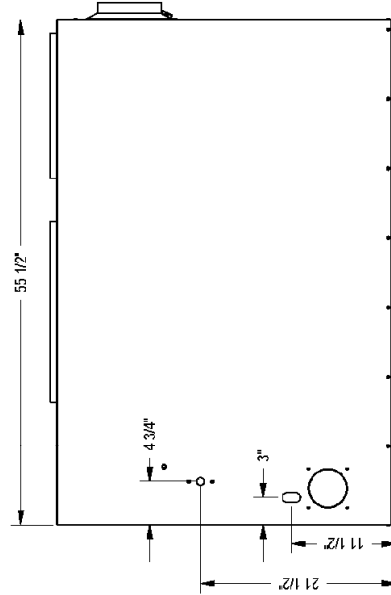
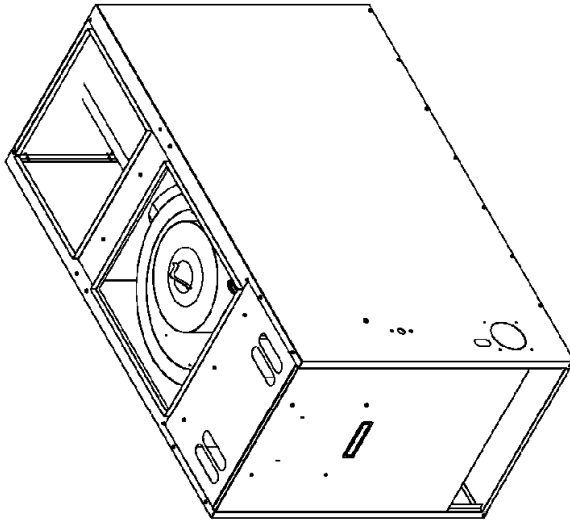
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OIL FIRED LOWBOY FURNACE SPECIFICATIONS (VL8FA119P60B)



- SEE NEXT PAGE FOR MORE DATA

OIL FIRED LOWBOY FURNACE SPECIFICATIONS (VL8RA119P60B)



- SEE NEXT PAGE FOR MORE DATA

OIL FIRED LOWBOY FURNACE SPECIFICATIONS

A/C Evaporator Coil Applications

Furnace Model Number	AC Tonnage	Line Set	Cond. Model Number	Coil Model Number	Capacity	EER	SEER	AHRI Reference Number
VL8FA119P60B VL8RA119P60B	3	LS01E-30	TC4B3621H	HE33636PA212	34400	11.70	14.00	9136139
				HE47636PA212	34600	12.20	14.50	9136140
		LS01E-50	TC7B3621S	HE33636PA212	34800	12.20	15.00	9136149
				HE47636PA212	36000	13.00	16.00	9136150
	3.5	LS02E-30	TC7B4221S	-	-	-	-	-
				HE50660PA212	41500	13.00	16.00	9136152
	4	LS02E-30	TC4B4821H	-	-	-	-	-
				HE50660PA212	47500	12.20	14.50	9136144
		LS02E-50	TC7B4821S	-	-	-	-	-
				HE50660PA212	45500	12.50	15.00	9136154
	5	1 1/8" ¹ 3/8"	TC4B6021S	-	-	-	-	-
				HE50660PA212	56000	12.20	14.00	10156162

¹ Adapter fitting must be field supplied to connect required 1 1/8" line set to 7/8" service valve connection.



OIL FIRED LOWBOY FURNACE SPECIFICATIONS

MODEL NO.	VLF-CBP (Front Flue) or VLR-CBP (Rear Flue) (BECKETT AFG)			
	High Fire	Med-High Fire	Med-Low Fire [5]	Low Fire
HEATING CAPACITY				
HEAT INPUT RATE (BTUH)	140,000	119,000	105,000	84,000
OUTPUT BTUH [1]	114,000	98,000	88,000	70,000
SEASONAL EFFICIENCY [2]	85.00%			
LARGEST REC A/C [3]	4 Tons			
NOMINAL TEMP RISE	70° F			
HEAT EXCHANGER AREA (SQ. FT.)	27.8 (front flue) / 30.0 (rear flue)			
CASING HEIGHT	41.5"			
CASING WIDTH	22.25"			
CASING DEPTH	47"			
NOMINAL FLUE OUTLET DIA.	6"			
APPROX SHIPPING WEIGHT (LBS)	300			
APPROVAL AGENCY	ETL			
QTY AND SIZE OF PERMANENT FILTERS	(2) 10" X 20"			
ELECTRICAL REQUIREMENTS	120v / 60hz / 1ph			
TOTAL CURRENT (AMPS)	10.2			
MAX FUSE SIZE (AMPS)	15			
HEIGHT FROM FLOOR TO CENTER OF FLUE	30.375"			
SUPPLY AIR OUTLET SIZE	20" X 20"			
RETURN AIR INLET SIZE	20" x 12.5"			
	ACCESSORY ITEMS			
FURNACE PARTS KIT	AOPS2695			
OPTIONAL 4 TON AIRFLOW KIT	S00S4141			
BURNER FRESH AIR VENT KIT	AOPS7482			
BLOCKED VENT KIT [4]	AOPS2686			

1 OUTPUT BTUH BASED ON ANNUAL FUEL UTILIZATION EFFICIENCY RATED BY MANUFACTURER.

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

3 TO PERMIT LARGEST RECOMMENDED AIR CONDITIONING (AT .5 STATIC PRESSURE), OPTIONAL BLOWER UPGRADE KIT IS REQUIRED.

4 NOT TO BE USED IN SIDEWALL VENT APPLICATIONS, USE ONLY WHEN CHIMNEY VENTED.

5 AFUE RATINGS AS SHIPPED.

SEE NEXT PAGE FOR MORE DATA-

OIL FIRED HORIZONTAL/COUNTERFLOW FURNACE SPECIFICATIONS

MODEL NO.	VC-CBP (BECKETT AFG)		
	Med-High Fire	Med-Low Fire [5]	Low Fire
HEATING CAPACITY			
HEAT INPUT RATE (BTUH)	119,000	105,000	84,000
OUTPUT BTUH[1]	97,000	88,000	69,000
SEASONAL EFFICIENCY [2]	85.0%		
LARGEST REC A/C[3]	4 Tons		
NOMINAL TEMP RISE	70°	62°	70°
HEAT EXCHANGER AREA (SQ. FT.)	27.8		
CASING HEIGHT	22.25" (in horizontal configuration, flue exits horizontally forward)		
	61.25" (in counterflow /vertical configuration)		
CASING WIDTH	61.25" (in horizontal configuration)"		
	22.25" (in counterflow /vertical configuration)		
CASING DEPTH	22.25"		
NOMINAL FLUE OUTLET DIA.	6"		
APPROX SHIPPING WEIGHT (LBS)	280		
APPROVAL AGENCY	ETL		
QTY AND SIZE OF PERMANENT FILTERS	NONE SUPPLIED		
ELECTRICAL REQUIREMENTS	120v / 60hz / 1ph		
TOTAL CURRENT (AMPS)	10.2		
MAX FUSE SIZE (AMPS)	15		
HEIGHT FROM FLOOR TO CENTER OF FLUE	11" (in horizontal configuration flue exits horizontally forward)		
SIDE/TOP	30.5" (in counterflow /vertical configuration, flue exits horizontally)		
SUPPLY AIR OUTLET SIZE	16" X 16"		
RETURN AIR INLET SIZE	16" X 16"		
	ACCESSORY ITEMS		
FURNACE PARTS KIT	AOPS2695		
COMBUSTIBLE FLOOR BASE	VC-BASE		
OPTIONAL 4 TON AIRFLOW KIT	S00S4140		
BURNER FRESH AIR VENT KIT	AOPS7482		
BLOCKED VENT KIT[4]	AOPS2687		

1 OUTPUT BTUH BASED ON ANNUAL FUEL UTILIZATION EFFICIENCY RATED BY MANUFACTURER.

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

3 TO PERMIT LARGEST RECOMMENDED AIR CONDITIONING (AT .5 STATIC PRESSURE), OPTIONAL BLOWER UPGRADE KIT IS REQUIRED

4 NOT TO BE USED IN SIDEWALL VENT APPLICATIONS, USE ONLY WHEN CHIMNEY VENTED.

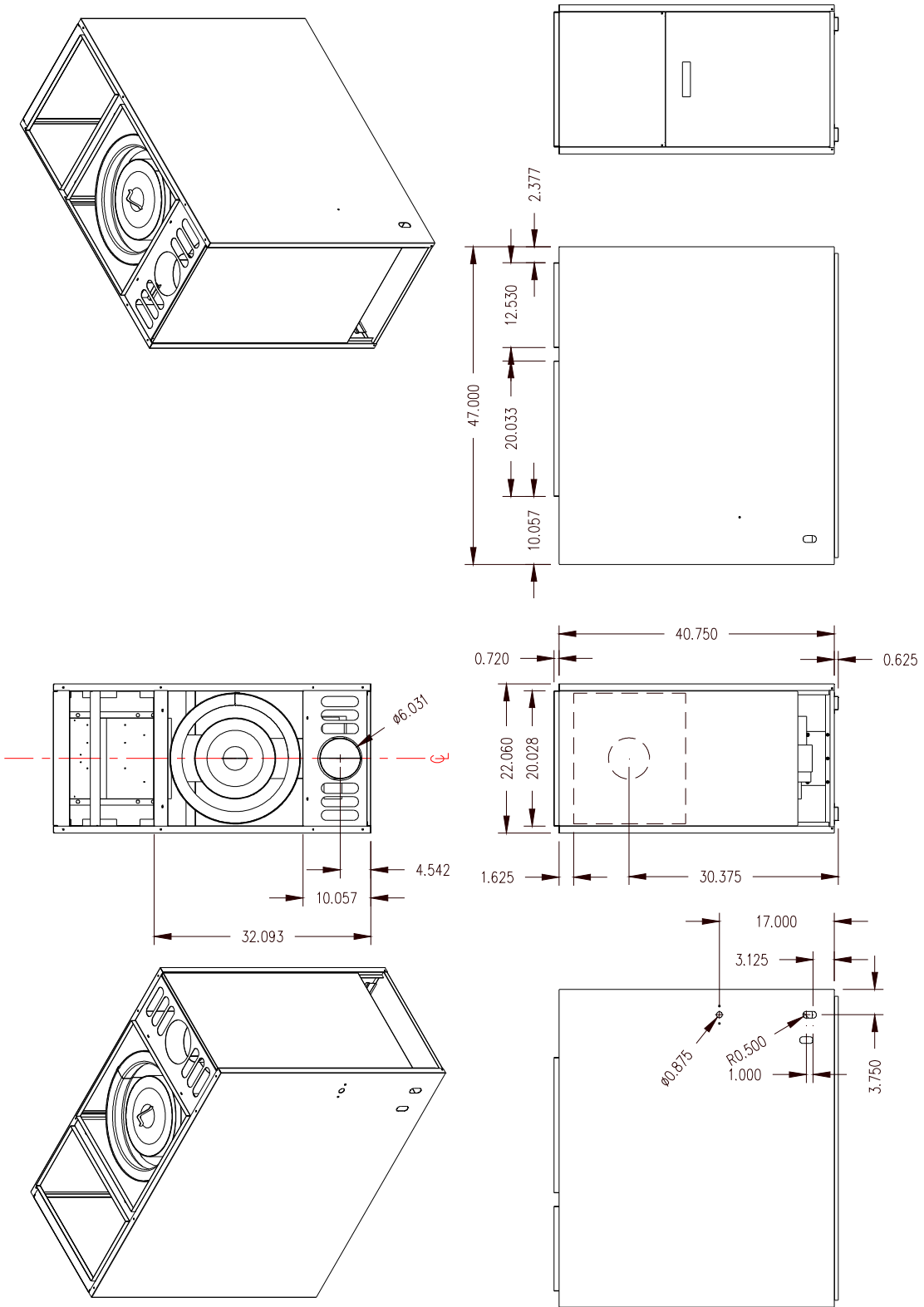
5 AFUE RATINGS AS SHIPPED.

SEE NEXT PAGE FOR MORE DATA-

Model Number Digit	1	2	3		4	5	6
	Model	Configuration	Flue		Design Change	Burner	Blower Motor
Oil Furnace Model Nomenclature Example Model Numbers	V	L	F	-	C	B	P
V=Product Line Designation	V						
L = Lowboy, C = Counterflow/Horizontal		L					
F = Front, R = Rear (VL series option only)			F				
				-			
Design Change					C		
Burner Type: B= Beckett AFG						B	
Motor Type: P=PSC, T= CTM (Constant torque ECM)							P

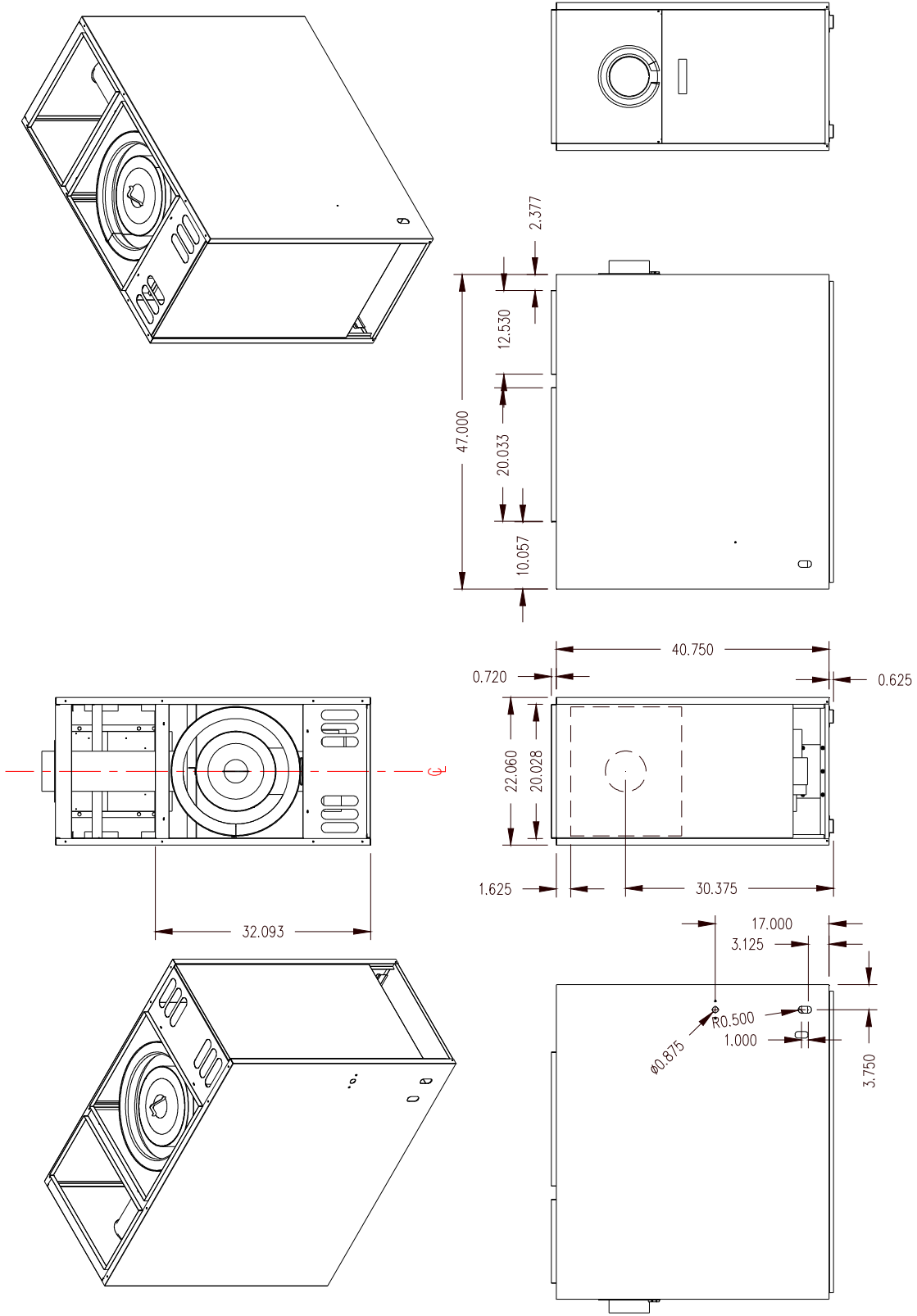
SEE NEXT PAGE FOR MORE DATA-

OIL FIRED LOWBOY FRONT FLUE FURNACE SPECIFICATIONS



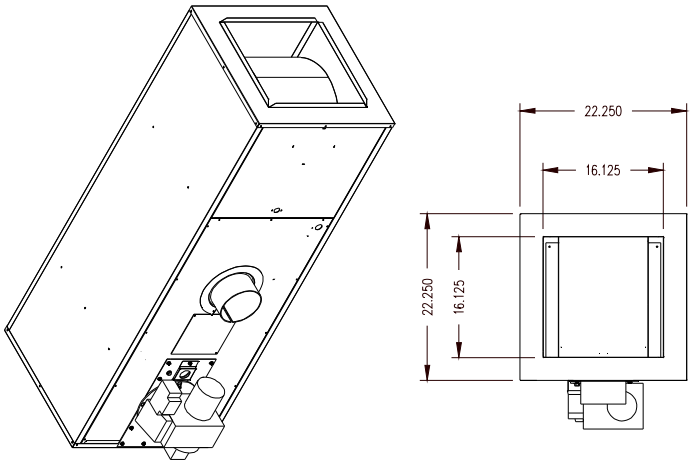
SEE NEXT PAGE FOR MORE DATA-

OIL FIRED LOWBOY REAR FLUE FURNACE SPECIFICATIONS

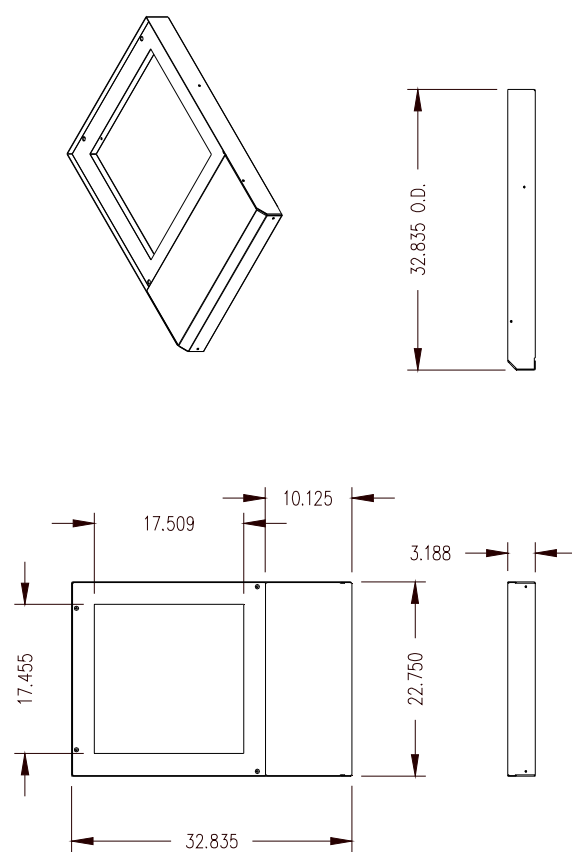
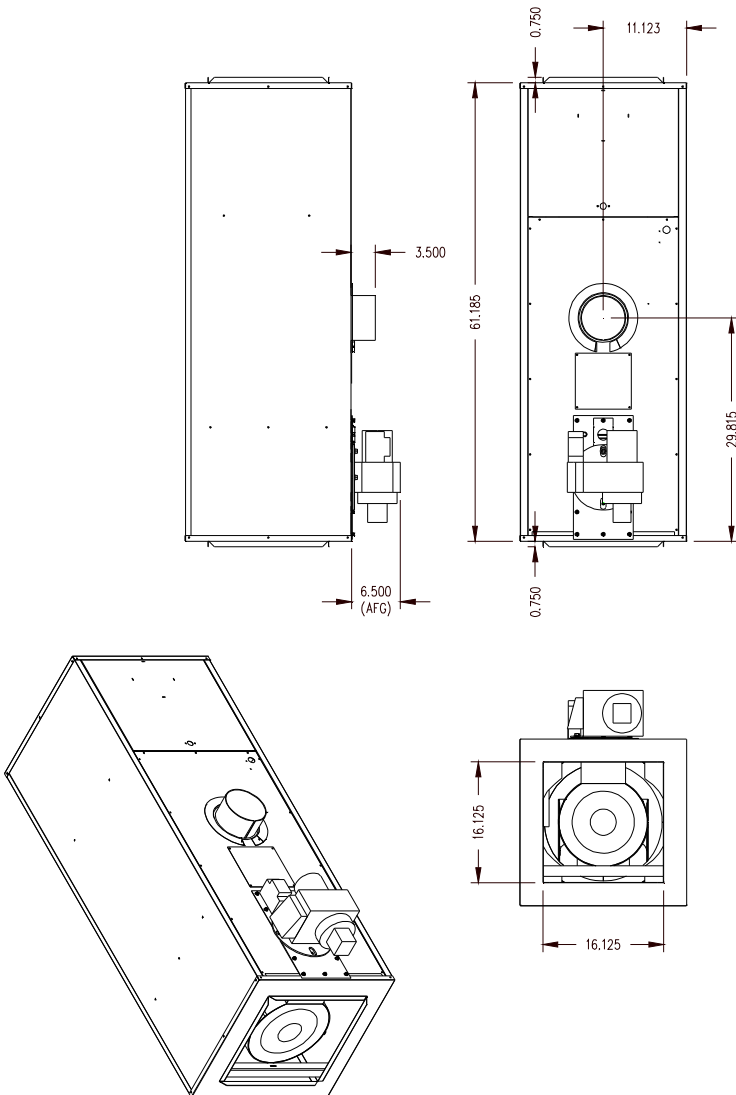


SEE NEXT PAGE FOR MORE DATA-

OIL FIRED HORIZONTAL/COUNTERFLOW FURNACE SPECIFICATIONS



COMBUSTIBLE FLOOR BASE



SEE NEXT PAGE FOR MORE DATA-

BLOWER DATA:	VLF-CBP	VLR-CBP	VC-CBP
BLOWER MODEL DIRECT DRIVE	10-9R		
MOTOR H.P.	½ HP		
MOTOR TYPE & NUMBER OF SPEEDS	Permanent split capacitor, 4		
HIGH SPEED AIRFLOW (SCFM) @ 0.5 IN. W.G. EXTERNAL STATIC PRESSURE:	1400	1400	1350

BLOWER DATA:			
OPTIONAL 4TON AIRFLOW KIT			
BLOWER MODEL DIRECT DRIVE	10-9R	10-9R	12-9T
MOTOR H.P.	¾ HP		
MOTOR TYPE & NUMBER OF SPEEDS	Permanent split capacitor, 4		
HIGH SPEED AIRFLOW (SCFM) @ 0.5 IN. W.G. EXTERNAL STATIC PRESSURE:	1564	1538	1648

BURNER DATA	R.W. BECKETT pressure atomizing type, Model AFG			
AIR TUBE LENGTH (IN.)	5.875, effective			
BURNER HEAD TYPE:	Fixed, flame retention			
FUEL TYPE:	#2 distillate (domestic heating oil)			
NOZZLE RATING (GPH):	1.0	0.85	0.75	0.6
SPRAY ANGLE (DEG.):	80°			
SPRAY PATTERN:	HOLLOW			
OIL PUMP PRESSURE (PSIG):	130 PSI			
COMBUSTION CHAMBER TYPE:	Preformed, refractory (ceramic fiber matrix material)			

CLEARANCES	VLF-CBP	VLR-CBP	VC-CBP
	MINIMUM CLEARANCES TO COMBUSTIBLE MATERIALS:		
SIDES	3"	3"	3"
FRONT (SERVICE ACCESS)	8"	3"	22"
REAR	3"	3"	3"
FLUE	9"	9"	9"
TOP PLENUM	3"	3"	3"
SIDES PLENUM	3"	3"	3"

SEE NEXT PAGE FOR MORE DATA-

VLF-CBP 3.5 Ton

ALTERATIONS REQ'D FOR A/C @ DESIGN EXTERNAL STATIC PRESSURE					
COOLING UNIT	Heating Speed by Input				Recommended CLG Speed
	Low Fire	ML Fire	MH Fire	High Fire	
	84,000	105,000	119,000	140,000	
24,000	Low	ML	MH	High	Low
30,000	Low	ML	MH	High	ML
36,000	Low	ML	MH	High	MH
42,000	Low	ML	MH	High	High
48,000					

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	999	993	975	956	931	888	807
ML	1173	1156	1134	1108	1082	1043	989
MH	1372	1331	1290	1246	1200	1146	1079
High	1688	1648	1595	1522	1447	1373	1309
Blower Motor Current Draw (Amps) vs. External Static Pressure (in. WC.)							
Low	5.24	4.96	4.76	4.50	4.30	4.08	3.73
ML	5.95	5.78	5.56	5.33	5.07	4.81	4.54
MH	6.97	6.60	6.28	5.95	5.69	5.40	5.07
High	8.83	8.57	8.33	7.95	7.65	7.36	7.14

SEE NEXT PAGE FOR MORE DATA -

VLF-CBP 3.5 Ton

Speed Tap\ Static Pressure	High Fire (140,000 BTU/HR Input) Temp Rise vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	106	106	108	110	113	119	131
ML	90	91	93	95	98	101	107
MH	77	79	82	85	88	92	98
High	63	64	66	69	73	77	81

Speed Tap\ Static Pressure	Med-High Fire (119,000 BTU/HR Input) Temp Rise vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	91	91	93	95	97	102	112
ML	77	78	80	82	84	87	92
MH	66	68	70	73	76	79	84
High	54	55	57	60	63	66	69

Speed Tap\ Static Pressure	Med-Low Fire (105,000 BTU/HR Input) Temp Rise vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	81	81	83	84	87	91	100
ML	69	70	71	73	74	77	81
MH	59	61	62	65	67	70	75
High	48	49	51	53	56	59	62

Speed Tap\ Static Pressure	Low Fire (84,000 BTU/HR Input) Temp Rise vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	65	65	66	68	70	73	80
ML	55	56	57	58	60	62	66
MH	47	49	50	52	54	57	60
High	38	39	41	43	45	47	50



Recommended Operation Range

SEE NEXT PAGE FOR MORE DATA -

VLF-CBP 4 Ton

ALTERATIONS REQ'D FOR A/C @ DESIGN EXTERNAL STATIC PRESSURE					
COOLING UNIT	Heating Speed by Input				Recommended CLG Speed
	Low Fire	ML Fire	MH Fire	High Fire	
	84,000	105,000	119,000	140,000	
24,000	Low	ML	MH	High	Low
30,000	Low	ML	MH	High	Low
36,000	Low	ML	MH	High	ML
42,000	Low	ML	MH	High	MH
48,000	Low	ML	MH	High	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	1103	1106	1080	1056	1023	981	858
ML	1358	1339	1309	1264	1216	1167	1098
MH	1620	1572	1511	1443	1376	1311	1224
High	1920	1822	1730	1649	1564	1483	1397
	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	5.39	5.12	4.86	4.64	4.37	4.16	3.70
ML	6.55	6.33	6.04	5.72	5.44	5.11	4.80
MH	7.68	7.24	6.92	6.56	6.21	5.93	5.54
High	11.3	11	10.7	10.5	10.3	10.1	9.98

SEE NEXT PAGE FOR MORE DATA -

VLF-CBP 4 Ton

Speed Tap\ Static Pressure	High Fire (140,000 BTU/HR Input) Temp Rise vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	96	95	98	100	103	108	123
ML	78	79	81	84	87	90	96
MH	65	67	70	73	77	81	86
High	55	58	61	64	67	71	76

Speed Tap\ Static Pressure	Med-High Fire (119,000 BTU/HR Input) Temp Rise vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	82	82	84	86	89	92	106
ML	67	68	69	72	75	78	83
MH	56	58	60	63	66	69	74
High	47	50	52	55	58	61	65

Speed Tap\ Static Pressure	Med-Low Fire (105,000 BTU/HR Input) Temp Rise vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	73	73	75	76	79	82	94
ML	59	60	62	64	66	69	73
MH	50	51	53	56	59	61	66
High	42	44	47	49	52	54	58

Speed Tap\ Static Pressure	Low Fire (84,000 BTU/HR Input) Temp Rise vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	59	59	60	61	63	66	76
ML	48	48	50	51	53	56	59
MH	40	41	43	45	47	49	53
High	34	36	37	39	41	44	46



Recommended Operation Range

SEE NEXT PAGE FOR MORE DATA –

**VLR-CBP
3.5 Ton**

ALTERATIONS REQ'D FOR A/C @ DESIGN EXTERNAL STATIC PRESSURE					
COOLING UNIT	Heating Speed by Input				Recommended CLG Speed
	Low Fire	ML Fire	MH Fire	High Fire	
	84,000	105,000	119,000	140,000	
24,000	Low	ML	MH	High	Low
30,000	Low	ML	MH	High	ML
36,000	Low	ML	MH	High	MH
42,000	Low	ML	MH	High	High
48,000					

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	1007	1004	985	963	915	845	749
ML	1196	1184	1149	1111	1066	1023	938
MH	1410	1345	1299	1246	1184	1127	1171
High	1669	1599	1541	1475	1409	1329	1231
	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	5.04	4.91	4.71	4.51	4.23	3.98	3.64
ML	5.93	5.74	5.49	5.22	4.91	4.7	4.39
MH	6.88	6.46	6.15	5.84	5.48	5.24	4.96
High	8.46	8.14	7.9	7.64	7.42	7.17	6.88

SEE NEXT PAGE FOR MORE DATA –

VLR-CBP 3.5 Ton

Speed Tap\ Static Pressure	High Fire (140,000 BTU/HR Input) Temp Rise vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	105	105	107	110	115	125	141
ML	88	89	92	95	99	103	113
MH	75	78	81	85	89	94	90
High	63	66	68	72	75	79	86

Speed Tap\ Static Pressure	Med-High Fire (119,000 BTU/HR Input) Temp Rise vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	90	90	92	94	99	107	121
ML	76	77	79	82	85	89	97
MH	64	67	70	73	77	81	77
High	54	57	59	62	64	68	74

Speed Tap\ Static Pressure	Med-Low Fire (105,000 BTU/HR Input) Temp Rise vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	80	80	82	84	88	95	108
ML	67	68	70	73	76	79	86
MH	57	60	62	65	68	71	69
High	48	50	52	55	57	61	65

Speed Tap\ Static Pressure	Low Fire (84,000 BTU/HR Input) Temp Rise vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	64	65	66	67	71	77	87
ML	54	55	56	58	61	63	69
MH	46	48	50	52	55	58	55
High	39	41	42	44	46	49	53



Recommended Operation Range

SEE NEXT PAGE FOR MORE DATA –

VLR-CBP 4 Ton

ALTERATIONS REQ'D FOR A/C @ DESIGN EXTERNAL STATIC PRESSURE					
COOLING UNIT	Heating Speed by Input				Recommended CLG Speed
	Low Fire	ML Fire	MH Fire	High Fire	
	84,000	105,000	119,000	140,000	
24,000	Low	ML	MH	High	Low
30,000	Low	ML	MH	High	Low
36,000	Low	ML	MH	High	ML
42,000	Low	ML	MH	High	MH
48,000	Low	ML	MH	High	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	1110	1107	1091	1068	1031	973	887
ML	1366	1330	1303	1247	1187	1124	1046
MH	1622	1545	1484	1419	1356	1274	1172
High	1844	1771	1694	1612	1538	1451	1355
	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	5.34	5.2	4.95	4.76	4.5	4.19	3.86
ML	6.33	6.15	5.86	5.48	5.18	4.83	4.57
MH	7.61	7.11	6.72	6.34	6.08	5.74	5.36
High	11	10.8	10.6	10.4	10.2	10	9.9

SEE NEXT PAGE FOR MORE DATA –

VLR-CBP 4 Ton

Speed Tap\ Static Pressure	High Fire (140,000 BTU/HR Input) Temp Rise vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	95	95	97	99	102	108	119
ML	77	79	81	85	89	94	101
MH	65	68	71	74	78	83	90
High	57	60	62	65	69	73	78

Speed Tap\ Static Pressure	Med-High Fire (119,000 BTU/HR Input) Temp Rise vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	82	82	83	85	88	93	102
ML	66	68	70	73	76	81	87
MH	56	59	61	64	67	71	77
High	49	51	54	56	59	63	67

Speed Tap\ Static Pressure	Med-Low Fire (105,000 BTU/HR Input) Temp Rise vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	73	73	74	75	78	83	91
ML	59	61	62	65	68	72	77
MH	50	52	54	57	59	63	69
High	44	45	48	50	52	56	59

Speed Tap\ Static Pressure	Low Fire (84,000 BTU/HR Input) Temp Rise vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	58	59	59	61	63	67	73
ML	47	49	50	52	55	58	62
MH	40	42	44	46	48	51	55
High	35	37	38	40	42	45	48



Recommended Operation Range

SEE NEXT PAGE FOR MORE DATA –

**VC-CBP
3.5 Ton**

ALTERATIONS REQ'D FOR A/C @ DESIGN EXTERNAL STATIC PRESSURE					
COOLING UNIT	Heating Speed by Input				Recommended CLG Speed
	Low Fire	ML Fire	MH Fire	High Fire	
	80,000	105,000	119,000		
24,000	Low	ML	MH		Low
30,000	Low	ML	MH		Low
36,000	Low	ML	MH		MH
42,000	Low	ML	MH		High
48,000					

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	1166	1139	1107	1064	1017	955	871
ML	1320	1274	1228	1176	1111	1043	950
MH	1447	1397	1343	1284	1209	1127	1043
High	1616	1550	1482	1406	1347	1231	1144
	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	4.66	4.43	4.24	4.00	3.78	3.56	3.29
ML	5.19	4.87	4.63	4.39	4.14	3.91	3.65
MH	5.70	5.41	5.17	4.88	4.64	4.40	4.17
High	7.15	6.92	6.72	6.52	6.36	6.09	5.93

SEE NEXT PAGE FOR MORE DATA –

**VC-CBP
3.5 Ton**

Speed Tap\ Static Pressure	Med-High Fire (119,000 BTU/HR Input) Temp Rise vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	78	80	82	85	89	95	104
ML	69	71	74	77	82	87	96
MH	63	65	68	71	75	81	87
High	56	59	61	65	67	74	79

Speed Tap\ Static Pressure	Med-Low Fire (105,000 BTU/HR Input) Temp Rise vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	69	71	73	76	79	84	92
ML	61	63	66	68	73	77	85
MH	56	58	60	63	67	71	77
High	50	52	54	57	60	65	70

Speed Tap\ Static Pressure	Low Fire (84,000 BTU/HR Input) Temp Rise vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	56	57	59	61	64	68	74
ML	49	51	53	55	58	62	68
MH	45	46	48	50	54	58	62
High	40	42	44	46	48	53	57



Recommended Operation Range

SEE NEXT PAGE FOR MORE DATA –

VC-CBP 4 Ton

ALTERATIONS REQ'D FOR A/C @ DESIGN EXTERNAL STATIC PRESSURE					
COOLING UNIT	Heating Speed by Input				Recommended CLG Speed
	Low Fire	ML Fire	MH Fire	High Fire	
	84,000	105,000	119,000		
24,000	Low	ML	MH		Low
30,000	Low	ML	MH		Low
36,000	Low	ML	MH		ML
42,000	Low	ML	MH		MH
48,000	Low	ML	MH		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	1116	1105	1084	1058	1038	1001	955
ML	1355	1342	1311	1273	1230	1183	1133
MH	1615	1572	1521	1468	1412	1355	1308
High	1901	1837	1790	1714	1648	1584	1496
	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	5.21	5.05	4.91	4.73	4.62	4.40	4.18
ML	6.29	6.07	5.88	5.69	5.48	5.21	5.01
MH	7.47	7.18	6.93	6.63	6.33	6.15	5.92
High	11.1	11.0	10.8	10.6	10.5	10.4	10.1

SEE NEXT PAGE FOR MORE DATA –

VC-CBP 4 Ton

Speed Tap\ Static Pressure	Med-High Fire (119,000 BTU/HR Input) Temp Rise vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	81	82	84	86	87	91	95
ML	67	68	69	71	74	77	80
MH	56	58	60	62	64	67	69
High	48	49	51	53	55	57	61

Speed Tap\ Static Pressure	Med-Low Fire (105,000 BTU/HR Input) Temp Rise vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	72	73	74	76	78	80	84
ML	59	60	61	63	65	68	71
MH	50	51	53	55	57	59	62
High	42	44	45	47	49	51	54

Speed Tap\ Static Pressure	Low Fire (84,000 BTU/HR Input) Temp Rise vs. External Static pressure (in. WC.)						
	0.1	0.2	0.3	0.4	0.5	0.6	0.7
Low	58	59	60	61	62	65	68
ML	48	48	49	51	53	55	57
MH	40	41	43	44	46	48	50
High	34	35	36	38	39	41	43



Recommended Operation Range

SEE NEXT PAGE FOR MORE DATA –

A/C Evaporator Coil Applications

Furnace Model Number	AC Tonnage	Line Set	Cond. Model Number	Coil Model Number	Capacity	EER	SEER	AHRI Reference Number
VL*-CBP	2	LS01E-30 LS01E-50	TC4B2421H	HE33636PA212	23000	12.20	14.00	9136135
				HE47636PA212	23000	12.20	14.50	9136136
			TC7B2421S	HE33636PA212	23600	12.50	15.00	9136145
				HE47636PA212	23600	13.00	16.00	9136146
	2.5	LS01E-30 LS01E-50	TC4B3021H	HE33636PA212	29400	11.70	14.00	9136137
				HE47636PA212	29400	12.20	14.50	9136138
			TC7B3021S	HE33636PA212	28000	12.50	15.00	9136147
				HE47636PA212	28400	13.00	16.00	9136148
	3	LS01E-30 LS01E-50	TC4B3621H	HE33636PA212	34400	11.70	14.00	9136139
				HE47636PA212	34600	12.20	14.50	9136140
			TC7B3621S	HE33636PA212	34800	12.20	15.00	9136149
				HE47636PA212	36000	13.00	16.00	9136150
	3.5	LS02E-30 LS02E-50	TC7B4221S	-	-	-	-	-
				HE50660PA212	41500	13.00	16.00	9136152
	4 ¹	LS02E-30 LS02E-50	TC4B4821H	-	-	-	-	-
				HE50660PA212	47500	12.20	14.50	9136144
			TC7B4821S	-	-	-	-	-
				HE50660PA212	45500	12.50	15.00	9136154

¹ Blower upgrade kit, S00S4141 required for 4 ton cooling.

A/C Evaporator Coil Applications

	Furnace Model Number	AC Tonnage	Line Set	Cond. Model Number	Coil Cabinet	Coil Model Number	Capacity	EER	SEER	AHRI Reference Number
	C O U N T E R F L O W	VC-CBP	2	LS01E-30 LS01E-50	TC4B2421H	-	HE33636UA170	23000	12.20	14.00
-						HE47636UA205	23000	12.20	14.50	9136136
TC7B2421S					-	HE33636UA170	23600	12.50	15.00	9136145
					-	HE47636UA205	23600	13.00	16.00	9136146
2.5			LS01E-30 LS01E-50	TC4B3021H	-	HE33636UA170	29400	11.70	14.00	9136137
					-	HE47636UA205	29400	12.20	14.50	9136138
				TC7B3021S	-	HE33636UA170	28000	12.50	15.00	9136147
					-	HE47636UA205	28400	13.00	16.00	9136148
3			LS01E-30 LS01E-50	TC4B3621H	-	HE33636UA170	34400	11.70	14.00	9136139
					-	HE47636UA205	34600	12.20	14.50	9136140
				TC7B3621S	-	HE33636UA170	34800	12.20	15.00	9136149
					-	HE47636UA205	36000	13.00	16.00	9136150
3.5		LS02E-30 LS02E-50	TC7B4221S	-	-	-	-	-	-	
				-	HE50660UA205	41500	13.00	16.00	9136152	
4		LS02E-30 LS02E-50	TC4B4821H	-	-	-	-	-	-	
				-	HE50660UA205	47500	12.20	14.50	9136144	
			TC7B4821S	-	-	-	-	-	-	
				-	HE50660UA205	45500	12.50	15.00	9136154	