



- Designed based on feedback from the industry's leading builders and contractors
- Offering the industry's widest range of residential gas furnaces, from 15,000 BTU/h to 120,000 BTU/h
- Easy to install, easier to service
- Complete 2-Stage and Modulating series based on leading ECM motor technology



CHINOOK

Furnace oversizing leads to uneven room temperatures, temperature swings, noisy equipment, shortened life of equipment and most importantly, unhappy homeowners.

THE SOLUTION: Chinook right-sized furnaces.



Features

- Efficiency up to 97.3 % AFUE
- Multiposition-Ready
- Convenient, easy access to all controls and components
- Up to 300 feet of venting
- Propane conversion kits available
- Zero-clearance on sides
- Energy Star® certified
- Quiet operation

A properly sized modulating furnace will run for longer periods of time, helping homeowners achieve:

- Even temperatures throughout the house
- Lower energy consumption
- Longer equipment life
- Quieter, healthier and more comfortable home

Reliable appliance that offers a safe maintenance environment



- Stainless steel extruded tube heat exchanger primary (SS 409) and secondary (AL 29-4C)
- No sharp edges because of the double folding
- Easy access to components for maintenance
- Control board located in the top compartment
- The ID blower is multiposition ready (single position independent from appliance orientation)
- Transparent drain trap

MAXIMUM EQUIVALENT STRAIGHT VENT LENGTH (FT.) FROM FURNACE TO OUTDOOR

MODULATING AND 2 STAGE UNIT					
Altitude (ft.)	Unit size (BTU/hr)	Vent length			
		MODULATING UNIT		2 STAGE UNIT	
		2" dia.	3" dia.	2" dia.	3" dia.
0 to 4,500	15,000	300	N/A	100	N/A
	30,000	180	N/A	100	N/A
	45,000	70	90	70	90
	60,000	70	90	70	90
	75,000	70	90	70	90
	105,000	15	80	15	80
	120,000	10	40	10	40

CHINOOK COMPACT



- The smallest central gas heating unit designed for multifamily units / garages / basement suites
- 10" wide x 23" tall
- Low airflow rate for optimal comfort and quieter operation
- Allows the Right-Sized System[®] in combination with our Alizé heatpump unit
- Up to 400 CFM, meaning 1T of cooling
- Modulating in heating mode: 6,000 to 15,000 BTU/h

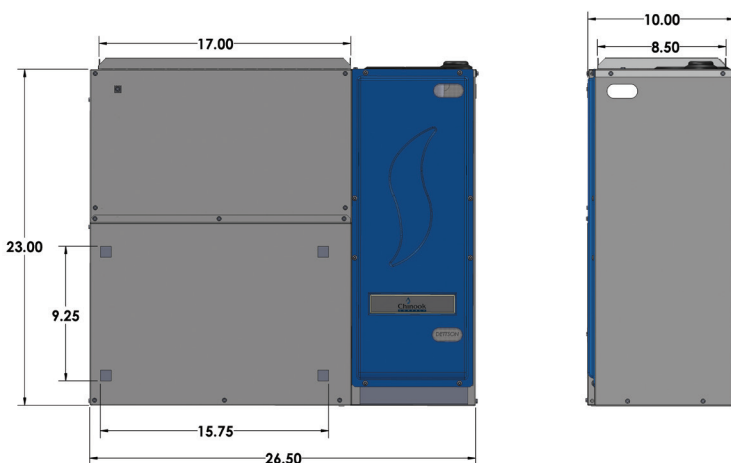


"It's hard to beat having a homeowner come up to you thanking you for installing a furnace and air conditioner system that is so quiet they keep checking on it to see if it's working. Constant temperature, high efficiency and quieter performance are some of the benefits that our customers are commenting on. As I've said before it's like swapping out your old gas guzzling tank for a Porsche. As a new home designer, I am extremely excited to be now exploring the impact of the Smart Duct System on my floor designs."

This is a revolution in improved HVAC performance offering full home comfort and energy efficiency to the homeowners."

Doug Tarry Jr

Doug Tarry Homes



ELECTRICAL DATA

INPUT		15K COMPACT	15K	30K	45K	60K	75K	105K	120K
MAXIMUM CONSUMPTION (Amps / breaker size)	MODULATING	8.6 / 10	12.6 / 15	12.6 / 15	12.6 / 15	15.6 / 20	15.6 / 20	19.0 / 20	19.0 / 20
	2-STAGE ECM	N/A	12.6 / 15	12.6 / 15	12.6 / 15	15.0 / 15	15.0 / 15	N/A	N/A
SUPPLY		115 Volts - 60 Hertz - 1 Phase							



*MODULATING GAS FURNACE

This furnace requires an interface board and the communicating thermostat to interlock with ERV/HRV when not installed in combination with our Alizé heatpump.



* For more information, see www.dettson.com

*To identify approved products, please visit: www.energystar.gov

MODELS		CC15-M-V	C15-M-S	C15-M-V	C30-M-S	C30-M-V	C45-M-S	C45-M-V	C60-M-V	C75-M-V	C105-M-V	C120-M-V
INPUT (BTU/h)	HIGH	15,000	15,000	15,000	30,000	30,000	45,000	45,000	60,000	75,000	105,000	120,000
	LOW	6,000	6,000	6,000	12,000	12,000	18,000	18,000	24,000	30,000	42,000	48,000
OUTPUT (BTU/h)	HIGH	14,445	14,595	14,595	28,860	28,860	43,515	43,515	58,080	72,000	101,430	116,400
	LOW	5,780	5,840	5,840	11,545	11,545	17,405	17,405	23,230	28,800	40,570	46,560
EFFICIENCY (%)		96.3	97.3	97.3	96.2	96.2	96.7	96.7	96.8	96.0	96.6	97.0
EFFICIENCY % (AFUE)		20-55 °F (11-30 °C)					40-70°F (22-39°C)					
AIRFLOW (CFM)	HEATING HIGH	400	310	310	480	480	720	720	1,025	1,200	1,680	1,920
	HEATING LOW	160	310	310	385	310	330	330	430	480	670	770
	MAX*	580	1,200	1,200	1,200	1,200	1,200	1,200	1,600	1,600	2,000	2,000
	MAX**	400	1,000	800	1,200	800	1,200	800	1,200	1,200	N/A	N/A
MAX COOLING CAPACITY (TONS)	TRADITIONAL DUCTS	1.5	3	3	3	3	3	3	4	4	5	5
	SMART DUCTS	1	2.5	2	2.5	2	3	2	3	3	N/A	N/A
MOTOR HP		1/3	3/4	1/2	3/4	1/2	3/4	1/2	3/4	3/4	1	1
SHIP WEIGHT (LB / KG)		79 / 35.8	115 / 52.2	115 / 52.2	116 / 52.6	116 / 52.6	119 / 54.0	119 / 54.0	136 / 61.7	138 / 62.6	161 / 73.0	171 / 77.6

*MAX CFM for ESP of 0.5" w.c. **MAX CFM for Smart Duct™

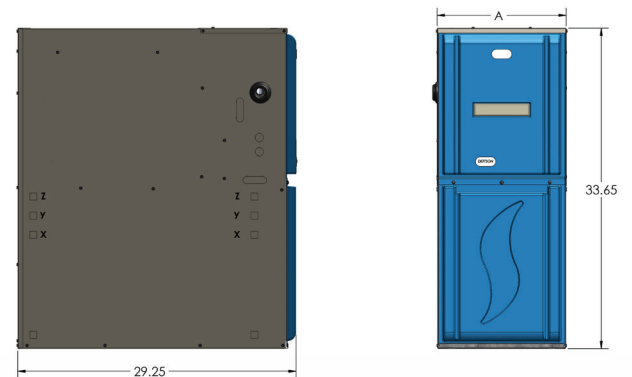


*2-STAGE VARIABLE SPEED MOTOR GAS FURNACE

MODELS		C15-2-V	C30-2-V	C45-2-V	C60-2-V	C75-2-V
INPUT (BTU/h)	HIGH	15,000	30,000	45,000	60,000	75,000
	LOW	10,500	21,000	31,500	42,000	52,500
OUTPUT (BTU/h)	HIGH	14,400	28,890	43,200	57,420	71,925
	LOW	10,080	20,223	30,240	40,200	50,350
EFFICIENCY % (AFUE)		96.0	96.3	96.0	95.7	95.9
TEMPERATURE RISE		25-55°F (14-31°C)	30-60°F (17-33°C)	40-70 °F (22-39 °C)		
AIRFLOW (CFM)	HEATING HIGH	335	595	735	1,000	1,230
	HEATING LOW	270	415	535	690	830
	MAX	1,000	1,000	1,000	1,400	1,400
MAX COOLING CAPACITY (TONS)		2.5	2.5	2.5	3.5	3.5
MOTOR HP		1/2	1/2	1/2	3/4	3/4
SHIP WEIGHT (LB / KG)		119 / 54.0	119 / 54.0	119 / 54.0	136 / 61.7	138 / 62.6

DIMENSIONS (INCHES)

INPUT (kBTU)	WIDTH (A)	SUPPLY PLENUM	RETURN PLENUM	FILTER SIZE
15 to 45	13.50	12.50 x 19.00	11.25 x 24.00	13 x 24
60 to 75	15.75	14.75 x 19.00	13.25 x 24.00	15 x 24
105 to 120	21.00	20.00 x 19.00	15.25 x 24.00	17 x 24



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Specifications subject to change without notice

X00750 rev.B