

Specification sheet for Chinook gas furnaces

Modulating gas furnace (ECM)

INPUT	HIGH	15 000	30 000	45 000	60 000	75 000	105 000	120 000
	LOW	6 000	12 000	18 000	24 000	30 000	42 000	48 000
OUTPUT	HIGH	14 340	28 590	43 065	57 000	71 250	99 750	114 000
	LOW	5 736	11 436	17 226	22 800	28 500	39 900	45 600
EFFICIENCY		95,6	95,3	95,7	95,0	95	95,0	95,0
TEMP. RISE		22-55 °F (12-30°C)			40-70 °F (22-39°C)			
MAX CFM	HIGH	250	560	730	1 380	1 230	1 700	1 900
	LOW	210	285	320	410	500	685	700
	COOLING	765	800	810	1 475	1 565	1 750	2 000
COOLING CAPACITY (tons)		2	2	2	3,5	4	4	5
MOTOR HP		1/2	1/2	1/2	3/4	3/4	1	1

2 stage variable speed gas furnace (ECM)

INPUT	HIGH	45 000	60 000	75 000	105 000	120 000
	LOW	31 500	42 000	52 500	73 500	84 000
OUTPUT	HIGH	42 750	57 000	71 475	99 750	115 080
	LOW	29 925	39 900	50 033	69 825	80 556
EFFICIENCY		95,0	95,0	95,3	95,0	95,9
TEMP. RISE		40-70 °F (22-39°C)				
MAX CFM	HIGH	915	1 350	1 570	1 850	1 985
	LOW	620	910	1 320	1 500	1 950
	COOLING	1 075	1 550	1 570	1 880	2 000
COOLING CAPACITY (tons)		2	3,5	4	4	5
MOTOR HP		1/2	3/4	3/4	1	1

2 Stage fixed speed gas furnace (PSC)

INPUT	HIGH	45 000	60 000	75 000	105 000	120 000
	LOW	31 500	42 000	52 500	73 500	84 000
OUTPUT	HIGH	42 750	57 000	71 775	99 750	115 200
	LOW	29 925	39 900	50 243	69 825	80 640
EFFICIENCY		95,0	95,0	95,7	95,0	96,0
TEMP. RISE		40-70 °F (22-39°C)				
MAX CFM		1 095	1 370	1 670	1 740	1 985
COOLING CAPACITY (tons)		2	3,5	4	4	5
MOTOR HP		1/2	1/2	3/4	1	1

1 Stage fixed speed gas furnace (PSC)

INPUT	45 000	60 000	75 000	105 000	120 000
OUTPUT	42 750	57 000	71 475	100 065	115 440
EFFICIENCY	95,0	95,0	95,3	95,3	96,2
TEMP. RISE	40-70 °F (22-39°C)				
MAX CFM	1 095	1 370	1 670	1 740	1 985
COOLING CAPACITY (tons)	2	3,5	4	4	5
MOTOR HP	1/2	1/2	3/4	1	1

SHIP WEIGHT	15K	30K	45K	60K	75K	105K	120K
LB/KG	115 / 52.2	116 / 52.6	119 / 54.0	136 / 61.7	138 / 62.6	161 / 73.0	171 / 77.6
ELECTRICAL DATA							
SUPPLY	115 Volts - 60 Hertz - 1 Phase						
MAXIMUM CONSUMPTION / BREAKER SIZE (AMP)							
MODULATING	10.7 / 15	10.7 / 15	10.7 / 15	13.1 / 20	13.1 / 20	15.8 / 20	15.8 / 20
2 STAGE ECM	-	-	10.7 / 15	12.6 / 15	12.6 / 15	15.8 / 20	15.8 / 20
2 STAGE PSC	-	-	12.8 / 20	12.8 / 20	12.5 / 15	15.8 / 20	15.8 / 20
1 STAGE	-	-	13.4 / 20	13.4 / 20	13.1 / 20	16.4 / 20	16.4 / 20
TRANSFORMER CAPACITY (24 VAC output)	40 VA						

Maximum equivalent straight vent length			
Altitude (ft)	Unit size (Btu/hr)	pipe diameter (in.)	
		2"	3" and 4"
0 to 4500 ft	15,000	300	N/A
	30,000	275	N/A
	45,000	70	100
	60,000	70	100
	75,000	70	100
	105,000	15	100
	120,000	10	65
Modulating & 2 stage models			

Altitude (ft)	Unit size (Btu/hr)	Vent pipe diameter (in.)	
		2"	3" and 4"
0 to 4500 ft	45,000	70	90
	60,000	45	90
	75,000	30	90
	105,000	N/A	70
	120,000	N/A	40

1 stage models