90+ CONDENSING FURNACE

Maximum Pipe Length Chart (*L1RC, *GC1RC units only)
(accounting for elevation, in feet)

4500 FEET (Decrease published Lengths by 2.5 x 8% or 20%, 2500' extra elevation)

GAS INPUT (BTU's)	SINGLE PIPE SYSTEMS W/ 1 LONG RADIUS ELBOW, EACH PIPE		DOUBLE PIPE SYSTEMS W/ 1 LONG RADIUS ELBOW, EACH PIPE	
	Outlet 2"	Outlet 3"	Inlet/Outlet 2"	Inlet/Outlet 3"
40,000	48	72	24	63
60,000	40	56	24	40
80,000	24	72	12	72
100,000	40	56	16	48
120,000	N/A	32	N/A	32

6200 FEET (Decrease published Lengths by 4.2 x 8% or 34%, 4200' extra elevation)

GAS INPUT (BTU's)	SINGLE PIPE SYSTEMS W/ 1 LONG RADIUS ELBOW, EACH PIPE		DOUBLE PIPE SYSTEMS W/ 1 LONG RADIUS ELBOW, EACH PIPE	
	Outlet 2"	Outlet 3"	Inlet/Outlet 2"	Inlet/Outlet 3"
40,000	40	59	20	59
60,000	33	46	20	33
80,000	20	59	10	59
100,000	33	46	13	40
120,000	N/A	26	N/A	26

7000 FEET (Decrease published Lengths by 5 x 8% or 40%, 5000' extra elevation)

GAS INPUT (BTU's)	SINGLE PIPE SYSTEMS W/ 1 LONG RADIUS ELBOW, EACH PIPE		DOUBLE PIPE SYSTEMS W/ 1 LONG RADIUS ELBOW, EACH PIPE	
	Outlet 2"	Outlet 3"	Inlet/Outlet 2"	Inlet/Outlet 3"
40,000	36	54	18	54
60,000	30	42	18	30
80,000	18	54	9	54
100,000	30	42	12	36
120,000	N/A	24	N/A	24

7800 FEET (Decrease published Lengths by 5.8 x 8% or 47%, 5800' extra elevation)

GAS INPUT (BTU's)	SINGLE PIPE SYSTEMS W/ 1 LONG RADIUS ELBOW, EACH PIPE		DOUBLE PIPE SYSTEMS W/ 1 LONG RADIUS ELBOW, EACH PIPE	
	Outlet 2"	Outlet 3"	Inlet/Outlet 2"	Inlet/Outlet 3"
40,000	32	48	16	48
60,000	26	37	16	26
80,000	16	48	8	48
100,000	26	37	11	32

Notes:
1. Subtract 2.5 ft. for each additional 2" long radius elbow and 3.5 ft. for each additional 3" long radius elbow.
2. Two 45 degree elbows are equivalent to one 90 degree elbow.
3. One short radius elbow is equivalent to one long radius elbow.
4. Do not include termination elbows in calculation of vent length.
5. Chart established by decreasing sea level values by 8% per 1000 ft. of altitude over 2000 ft.

90+ CONDENSING FURNACE

Maximum Pipe Length Chart (*G6RC, *G6RL, *GF1RC, *GF1RL units only)
(accounting for elevation, in feet)

4500 FEET (Decrease published Lengths by 2.5 x 8% or 20%, 2500' extra elevation)

GAS INPUT (BTU's)	SINGLE PIPE SYSTEMS W/ 1 LONG RADIUS ELBOW, EACH PIPE		DOUBLE PIPE SYSTEMS W/ 1 LONG RADIUS ELBOW, EACH PIPE					
	Outlet	Outlet	Inlet/Outlet		Inlet/Outlet		Inlet/Outlet	
	2"	3"	2"	2"	3"	2"	3"	3"
40k	64	120	32	32	40	40	72	72
60k & 80k	64	120	24	24	28	28	72	72
100k & 120k	24	120	12	12	20	20	72	72

6200 FEET (Decrease published Lengths by 4.2 x 8% or 34%, 4200' extra elevation)

GAS INPUT (BTU's)	SINGLE PIPE SYSTEMS W/ 1 LONG RADIUS ELBOW, EACH PIPE		DOUBLE PIPE SYSTEMS W/ 1 LONG RADIUS ELBOW, EACH PIPE					
	Outlet	Outlet	Inlet/Outlet		Inlet/Outlet		Inlet/Outlet	
	2"	3"	2"	2"	3"	2"	3"	3"
40k	52	100	26	26	33	33	60	60
60k & 80k	40	100	20	20	23	23	60	60
100k & 120k	20	100	10	10	16	16	60	60

7000 FEET (Decrease published Lengths by 5 x 8% or 40%, 5000' extra elevation)

GAS INPUT (BTU's)	SINGLE PIPE SYSTEMS W/ 1 LONG RADIUS ELBOW, EACH PIPE		DOUBLE PIPE SYSTEMS W/ 1 LONG RADIUS ELBOW, EACH PIPE					
	Outlet	Outlet	Inlet/Outlet		Inlet/Outlet		Inlet/Outlet	
	2"	3"	2"	2"	3"	2"	3"	3"
40k	48	90	24	24	30	30	54	54
60k & 80k	36	90	18	18	21	21	54	54
100k & 120k	18	90	9	9	15	15	54	54

7800 FEET (Decrease published Lengths by 5.8 x 8% or 47%, 5800' extra elevation)

GAS INPUT (BTU's)	SINGLE PIPE SYSTEMS W/ 1 LONG RADIUS ELBOW, EACH PIPE		DOUBLE PIPE SYSTEMS W/ 1 LONG RADIUS ELBOW, EACH PIPE					
	Outlet	Outlet	Inlet/Outlet		Inlet/Outlet		Inlet/Outlet	
	2"	3"	2"	2"	3"	2"	3"	3"
40k	42	80	21	21	26	26	48	48
60k & 80k	32	80	16	16	18	18	48	48
100k & 120k	16	80	8	8	13	13	48	48

Notes:
1. Subtract 2.5 ft. for each additional 2" long radius elbow and 3.5 ft. for each additional 3" long radius elbow.
2. Two 45 degree elbows are equivalent to one 90 degree elbow.
3. One short radius elbow is equivalent to one long radius elbow.
4. Do not include termination elbows in calculation of vent length.
5. Chart established by decreasing sea level values by 8% per 1000 ft. of altitude over 2000 ft.

O'Fallon, MO | **NORDYNE**