92.1 CONDENSING FURNACE

Maximum Pipe Length Chart (*G7SC, *G7SL units only)

(accounting for elevation, in feet)

5000 FEET (Decrease published lengths by 3 x 8% or 24%, 3000' extra elevation)

MODELS	SINGLE PIPE LENGTH (FT.) with 1 long radius elbow**		DIRECT VENT DUAL PIPE LENGTH (FT.) with 1 long radius elbow on each pipe**	
	Outlet	Outlet	Inlet/Outlet	Inlet/Outlet
	2" Diameter	3" Diameter	2" Diameter	3" Diameter
UPFLOW/HORIZONTAL MODELS				
SC038	38	53	46	61
SC054	68	68	68	68
SC072	68	68	68	68
SC090	68	68	68	68
SC108	53	68	46	68
SC120	N/A	68	N/A	68
DOWNFLOW MODELS				
SL054	68	68	68	68
SL072	68	68	68	68
SL090	53	68	53	68
SL120	N/A	68	N/A	68

6000 FEET (Decrease published lengths by 4 x 8% or 32%, 4000' extra elevation)

MODELS	SINGLE PIPE LENGTH (FT.) with 1 long radius elbow**		DIRECT VENT DUAL PIPE LENGTH (FT.) with 1 long radius elbow on each pipe**	
	Outlet	Outlet	Inlet/Outlet	Inlet/Outlet
	2" Diameter	3" Diameter	2" Diameter	3" Diameter
UPFLOW/HORIZONTAL MODELS				
SC038	34	48	41	54
SC054	61	61	61	61
SC072	61	61	61	61
SC090	61	61	61	61
SC108	48	61	41	61
SC120	N/A	61	N/A	61
DOWNFLOW MODELS				
SL054	61	61	61	61
SL072	61	61	61	61
SL090	48	61	48	61
SL120	N/A	61	N/A	61

92.1 CONDENSING FURNACE (Continued)

Maximum Pipe Length Chart (*G7SC, *G7SL units only)

(accounting for elevation, in feet)

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

	SINGLE PIPE LENGTH (FT.) with 1 long radius elbow**		DIRECT VENT DUAL PIPE LENGTH (FT.) with 1 long radius elbow on each pipe**	
	Outlet	Outlet	Inlet/Outlet	Inlet/Outlet
MODELS	2" Diameter	3" Diameter	2" Diameter	3" Diameter
UPFLOW/HORIZONTAL MODELS				
SC038	30	42	36	48
SC054	54	54	54	54
SC072	54	54	54	54
SC090	54	54	54	54
SC108	42	54	36	54
SC120	N/A	54	N/A	54
DOWNFLOW MODELS				
SL054	54	54	54	54
SL072	54	54	54	54
SL090	42	54	42	54
SL120	N/A	54	N/A	54

8000 FEET (Decrease published lengths by 6 x 8% or 48%, 6000' extra elevation)

	SINGLE PIPE LENGTH (FT.) with 1 long radius elbow**		DIRECT VENT DUAL PIPE LENGTH (FT.) with 1 long radius elbow on each pipe**	
	Outlet	Outlet	Inlet/Outlet	Inlet/Outlet
MODELS	2" Diameter	3" Diameter	2" Diameter	3" Diameter
UPFLOW/HORIZONTAL MODELS				
SC038	26	36	31	42
SC054	47	47	47	47
SC072	47	47	47	47
SC090	47	47	47	47
SC108	36	47	31	47
SC120	N/A	47	N/A	47
DOWNFLOW MODELS				
SL054	47	47	47	47
SL072	47	47	47	47
SL090	36	47	36	47
SL120	N/A	47	N/A	48

92.1 CONDENSING FURNACE (Continued)

Maximum Pipe Length Chart (*G7SC, *G7SL units only)

(accounting for elevation, in feet)

9000 FEET (Decrease published lengths by 7 x 8% or 56%, 7000' extra elevation)

MODELS	SINGLE PIPE LENGTH (FT.) with 1 long radius elbow**		DIRECT VENT DUAL PIPE LENGTH (FT.) with 1 long radius elbow on each pipe**	
	Outlet	Outlet	Inlet/Outlet	Inlet/Outlet
	2" Diameter	3" Diameter	2" Diameter	3" Diameter
UPFLOW/HORIZONTAL MODELS				
SC038	22	31	26	35
SC054	40	40	40	40
SC072	40	40	40	40
SC090	40	40	40	40
SC108	31	40	26	40
SC120	N/A	40	N/A	40
DOWNFLOW MODELS				
SL054	40	40	40	40
SL072	40	40	40	40
SL090	31	40	31	40
SL120	N/A	40	N/A	40

****Notes:**

1 Subtract 2.5 ft. for each additional 2 inch long radius elbow, 5 ft. for each additional 2 inch short radius elbow, 3.5 ft. for each additional 3 inch long radius elbow, and 7 ft. for each additional 3 inch short radius elbow. Subtract 7ft for each 2" tee and 13ft for each 3" tee.

2. Two 45 degree elbows are equivalent to one 90 degree elbow.

3. Only the above vent pipe materials are approved for use with these condensing furnaces.

4. Chart established by decreasing sea level values by 8% per 1000 ft. of altitude over 2000 ft.

5. The length of 2" pipe needed to go from the inducer to the finish flange is 7 3/4" for upflow models and 15" for downflow models. This does not need to be included in the vent length calculation.

95.1 CONDENSING FURNACE

Maximum Pipe Length Chart (*G7TC, *G7TL units only)

(accounting for elevation, in feet)

5000 FEET (Decrease published lengths by 3 x 8% or 24%, 3000' extra elevation)

	SINGLE PIPE LENGTH (FT.) with 1 long radius elbow**		DIRECT VENT DUAL PIPE LENGTH (FT.) with 1 long radius elbow on each pipe**	
	Outlet	Outlet	Inlet/Outlet	Inlet/Outlet
MODELS	2" Diameter	3" Diameter	2" Diameter	3" Diameter
UPFLOW INSTALLATION				
TC060	68	68	68	68
TC080	68	68	68	68
TC100	46	68	46	68
TC120	N/A	68	N/A	68
HORIZONTAL INSTALLATION				
TC060	38	68	38	68
TC080	23	68	23	68
TC100	23	68	23	68
TC120	N/A	68	N/A	68
DOWNFLOW INSTALLATION				
TL060	23	68	23	68
TL080	23	68	23	68
TL100	23	68	19	68
TL120	N/A	68	N/A	68

6000 FEET (Decrease published lengths by 4 x 8% or 32%, 4000' extra elevation)

	SINGLE PIPE LENGTH (FT.) with 1 long radius elbow**		DIRECT VENT DUAL PIPE LENGTH (FT.) with 1 long radius elbow on each pipe**	
	Outlet	Outlet	Inlet/Outlet	Inlet/Outlet
MODELS	2" Diameter	3" Diameter	2" Diameter	3" Diameter
UPFLOW INSTALLATION				
TC060	61	61	61	61
TC080	61	61	61	61
TC100	41	61	41	61
TC120	N/A	61	N/A	61
HORIZONTAL INSTALLATION				
TC060	34	61	34	61
TC080	20	61	20	61
TC100	20	61	20	61
TC120	N/A	61	N/A	61
DOWNFLOW INSTALLATION				
TL060	20	61	20	61
TL080	20	61	20	61
TL100	20	61	17	61
TL120	N/A	61	N/A	61

95.1 CONDENSING FURNACE (Continued)

Maximum Pipe Length Chart (*G7TC, *G7TL units only)

(accounting for elevation, in feet)

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

MODELS	SINGLE PIPE LENGTH (FT.) with 1 long radius elbow**		DIRECT VENT DUAL PIPE LENGTH (FT.) with 1 long radius elbow on each pipe**	
	Outlet	Outlet	Inlet/Outlet	Inlet/Outlet
	2" Diameter	3" Diameter	2" Diameter	3" Diameter
UPFLOW INSTALLATION				
TC060	54	54	54	54
TC080	54	54	54	54
TC100	36	54	36	54
TC120	N/A	54	N/A	54
HORIZONTAL INSTALLATION				
TC060	30	54	30	54
TC080	18	54	18	54
TC100	18	54	18	54
TC120	N/A	54	N/A	54
DOWNFLOW INSTALLATION				
TL060	18	54	18	54
TL080	18	54	18	54
TL100	18	54	15	54
TL120	N/A	54	N/A	54

8000 FEET (Decrease published lengths by 6 x 8% or 48%, 6000' extra elevation)

MODELS	SINGLE PIPE LENGTH (FT.) with 1 long radius elbow**		DIRECT VENT DUAL PIPE LENGTH (FT.) with 1 long radius elbow on each pipe**	
	Outlet	Outlet	Inlet/Outlet	Inlet/Outlet
	2" Diameter	3" Diameter	2" Diameter	3" Diameter
UPFLOW INSTALLATION				
TC060	47	47	47	47
TC080	47	47	47	47
TC100	31	47	31	47
TC120	N/A	47	N/A	47
HORIZONTAL INSTALLATION				
TC060	26	47	26	47
TC080	16	47	16	47
TC100	16	47	16	47
TC120	N/A	47	N/A	47
DOWNFLOW INSTALLATION				
TL060	16	47	16	47
TL080	16	47	16	47
TL100	16	47	13	47
TL120	N/A	47	N/A	47

95.1 CONDENSING FURNACE (Continued)

Maximum Pipe Length Chart (*G7TC, *G7TL units only)

(accounting for elevation, in feet)

9000 FEET (Decrease published lengths by 7 x 8% or 56%, 7000' extra elevation)

MODELS	SINGLE PIPE LENGTH (FT.) with 1 long radius elbow**		DIRECT VENT DUAL PIPE LENGTH (FT.) with 1 long radius elbow on each pipe**	
	Outlet	Outlet	Inlet/Outlet	Inlet/Outlet
	2" Diameter	3" Diameter	2" Diameter	3" Diameter
UPFLOW INSTALLATION				
TC060	40	40	40	40
TC080	40	40	40	40
TC100	26	40	26	40
TC120	N/A	40	N/A	40
HORIZONTAL INSTALLATION				
TC060	22	40	22	40
TC080	13	40	13	40
TC100	13	40	13	40
TC120	N/A	40	N/A	40
DOWNFLOW INSTALLATION				
TL060	13	40	13	40
TL080	13	40	13	40
TL100	13	40	11	40
TL120	N/A	40	N/A	40

****Notes:**

1 Subtract 2.5 ft. for each additional 2 inch long radius elbow, 5 ft. for each additional 2 inch short radius elbow, 3.5 ft. for each additional 3 inch long radius elbow, and 7 ft. for each additional 3 inch short radius elbow. Subtract 7ft for each 2" tee and 13ft for each 3" tee.

2. Two 45 degree elbows are equivalent to one 90 degree elbow.

3. Only the above vent pipe materials are approved for use with these condensing furnaces.

4. Chart established by decreasing sea level values by 8% per 1000 ft. of altitude over 2000 ft.

5. The length of 2" pipe needed to go from the inducer to the finish flange is 7 3/4" for upflow models and 15" for downflow models. This does not need to be included in the vent length calculation.

92.1 CONDENSING FURNACE

Maximum Pipe Length Chart (*G7XC, units only)

(accounting for elevation, in feet)

5000 FEET (Decrease published lengths by 3 x 8% or 24%, 3000' extra elevation)

MODELS	SINGLE PIPE LENGTH (FT.) with 1 long radius elbow**	DIRECT VENT DUAL PIPE LENGTH (FT.) with 1 long radius elbow on each pipe**
	Outlet	Inlet/Outlet
	3" Diameter	3" Diameter
UPFLOW/HORIZONTAL MODELS		
XC046	61	61
XC061	61	61
XC076	61	61
XC102	61	61

6000 FEET (Decrease published lengths by 4 x 8% or 32%, 4000' extra elevation)

MODELS	SINGLE PIPE LENGTH (FT.) with 1 long radius elbow**	DIRECT VENT DUAL PIPE LENGTH (FT.) with 1 long radius elbow on each pipe**
	Outlet	Inlet/Outlet
	3" Diameter	3" Diameter
UPFLOW/HORIZONTAL MODELS		
XC046	**54**	**54**
XC061	**54**	**54**
XC076	**54**	**54**
XC102	**54**	**54**

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

MODELS	SINGLE PIPE LENGTH (FT.) with 1 long radius elbow**	DIRECT VENT DUAL PIPE LENGTH (FT.) with 1 long radius elbow on each pipe**
	Outlet	Inlet/Outlet
	3" Diameter	3" Diameter
UPFLOW/HORIZONTAL MODELS		
XC046	**48**	**48**
XC061	**48**	**48**
XC076	**48**	**48**
XC102	**48**	**48**

92.1 CONDENSING FURNACE (Continued)

Maximum Pipe Length Chart (*G7XC, units only)

(accounting for elevation, in feet)

8000 FEET (Decrease published lengths by 6 x 8% or 48%, 6000' extra elevation)

MODELS	SINGLE PIPE LENGTH (FT.) with 1 long radius elbow**	DIRECT VENT DUAL PIPE LENGTH (FT.) with 1 long radius elbow on each pipe**
	Outlet	Inlet/Outlet
	3" Diameter	3" Diameter
UPFLOW/HORIZONTAL MODELS		
XC046	42	42
XC061	42	42
XC076	42	42
XC102	42	42

9000 FEET (Decrease published lengths by 7 x 8% or 56%, 7000' extra elevation)

MODELS	SINGLE PIPE LENGTH (FT.) with 1 long radius elbow**	DIRECT VENT DUAL PIPE LENGTH (FT.) with 1 long radius elbow on each pipe**
	Outlet	Inlet/Outlet
	3" Diameter	3" Diameter
UPFLOW/HORIZONTAL MODELS		
XC046	35	35
XC061	35	35
XC076	35	35
XC102	35	35

****Notes:**

1 Subtract 2.5 ft. for each additional 2 inch long radius elbow, 5 ft. for each additional 2 inch short radius elbow, 3.5 ft. for each additional 3 inch long radius elbow, and 7 ft. for each additional 3 inch short radius elbow. Subtract 7ft for each 2" tee and 13ft for each 3" tee.

2. Two 45 degree elbows are equivalent to one 90 degree elbow.

3. Only the above vent pipe materials are approved for use with these condensing furnaces.

4. Chart established by decreasing sea level values by 8% per 1000 ft. of altitude over 2000 ft.

5. The length of 2" pipe needed to go from the inducer to the finish flange is 7 3/4" for upflow models and 15" for downflow models. This does not need to be included in the vent length calculation.