Table 1 *Burner specifications for 201GAS burners*

Input Note 1	**Burner orifice drill size**		**Approximate air band setting** Notes 1 & 2			**Diffuser**	**Minimum chamber dimensions** Inches (Notes 3, 4, 5) (VC = min. diam. of vertical cylinder chamber)						**UTL Air tube insertion length**
Btuh	Natural gas	Propane gas	%	Slots	Air shutter		C/L	L1	L2	W	H	VC	
150,000	9/32	7/32	15	2	Yes	C	4	11	14	8	10	9½	Burners with ***welded flange*** have fixed usable tube length (UTL). Verify length is correct for the application. Burners with ***adjustable flange***: Usable tube length (UTL) varies with air tube length:
175,000	5/16	1/4	30	2	Yes	C	4	12	16	8	10	10	
200,000	11/32	9/32	60	2	Yes	C	4½	14	17	8	11	12	
225,000	11/32	9/32	8	2	No	B	4½	15	18	9	11	13	Nominal air tube length: UTL min.: UTL max.
250,000	3/8	5/16	25	2	No	B	4½	16	19	9	11	14	
275,000	13/32	5/16	40	2	No	B	4½	17	21	10	11	15	
300,000	13/32	5/16	15	4	No	A	5	17	21	12	12	15	8”: 1 ¾”: 2 ½”
350,000	15/32	11/32	35	4	No	A	5½	17	21	12	12	15	10”: 1 ¾”: 4 ½”
399,000	9/16	7/16	80	4	No	A	6	20	24	14	13	17	12”: 1 ¾”: 6 ½” 14”: 1 ¾”: 8 ½” 16”: 1 ¾”: 10 ½”

Note 1	High altitude applications: The maximum burner input at sea level is 399,000 Btuh. Reduce this capacity by 4% per 1,000 feet above sea level. Example — max. capacity at 5,000 feet is 319,000 Btuh (20% reduction). Pressurized firing: Maximum burner input decreases with increasing overfire pressure. Assume a reduction in maximum burner input of approximately 5% at 0.1 inches w.c. and 10% at 0.2 inches w.c. You will have to increase the air band opening to compensate for the increased pressure. Follow the procedures given in this manual to check combustion with instruments to determine the correct air band setting. Do not fire into a chamber with pressure higher than 0.2 inches w.c. and never fire at a higher pressure than recommended by the appliance manufacturer.
Note 2	Use this as the starting setting only. Adjust air band setting, if necessary, after performing combustion testing (see page 13).
Note 3	Some tested appliances may operate satisfactorily with dimensions less than the above.
Note 4	Horizontal cylindrical chambers — diameter must be no less than column “W” above Horizontal stainless steel cylindrical chambers — diameter at least 1 to 4 inches larger than column “W” above.
Note 5	A corbel may help heat transfer in a larger boiler or furnace, provided it is recommended by the appliance manufacturer.