

Table 22 – Orifice Size and Manifold Pressure (in. W.C.) for Gas Input Rate

SINGLE-STAGE FURNACE

(TABULATED DATA BASED ON 20,000 BTUH PER BURNER, DERATED 2%/1000 FT (305M) ABOVE SEA LEVEL)

ALTITUDE RANGE ft (m)		AVG. GAS HEAT VALUE AT ALTITUDE (Btu/cu ft)	SPECIFIC GRAVITY OF NATURAL GAS							
			0.58		0.60		0.62		0.64	
			Orifice No.	Manifold Pressure	Orifice No.	Manifold Pressure	Orifice No.	Manifold Pressure	Orifice No.	Manifold Pressure
U.S.A. and Canada	0 (0) to 2000 (610)	900	43	3.8	42	3.2	42	3.3	42	3.4
		925	43	3.6	43	3.7	43	3.8	42	3.2
		950	43	3.4	43	3.5	43	3.6	43	3.7
		975	44	3.7	44	3.8	43	3.4	43	3.6
		1000	44	3.5	44	3.6	44	3.8	43	3.4
		1025	44	3.3	44	3.5	44	3.6	44	3.7
		1050	44	3.2	44	3.3	44	3.4	44	3.5
		1075	45	3.7	45	3.8	44	3.3	44	3.4
		1100	46	3.7	46	3.8	45	3.8	44	3.2
U.S.A. and Canada	U.S.A. 2001 (611) to 3000 (914) Canada 2001 (611) to 4500 (1372)	800	42	3.4	42	3.5	42	3.6	42	3.7
		825	43	3.8	42	3.3	42	3.4	42	3.5
		850	43	3.6	43	3.7	42	3.2	42	3.3
		875	43	3.4	43	3.5	43	3.7	43	3.8
		900	44	3.7	44	3.8	43	3.5	43	3.6
		925	44	3.5	44	3.6	44	3.8	43	3.4
		950	44	3.3	44	3.4	44	3.6	44	3.7
		975	44	3.2	44	3.3	44	3.4	44	3.5
		1000	44	3.0	44	3.1	44	3.2	44	3.3
U.S.A. Only	3001 (915) to 4000 (1219)	775	42	3.3	42	3.4	42	3.5	42	3.6
		800	43	3.8	42	3.2	42	3.3	42	3.4
		825	43	3.6	43	3.7	43	3.8	42	3.2
		850	44	3.8	43	3.5	43	3.6	43	3.7
		875	44	3.6	44	3.7	43	3.4	43	3.5
		900	44	3.4	44	3.5	44	3.7	44	3.8
		925	44	3.2	44	3.4	44	3.5	44	3.6
		950	44	3.1	44	3.2	44	3.3	44	3.4
U.S.A. Only	4001 (1220) to 5000 (1524)	750	42	3.3	42	3.4	42	3.5	42	3.6
		775	43	3.7	43	3.8	42	3.3	42	3.4
		800	43	3.5	43	3.6	43	3.7	43	3.8
		825	44	3.8	43	3.4	43	3.5	43	3.6
		850	44	3.5	44	3.7	44	3.8	43	3.4
		875	44	3.3	44	3.5	44	3.6	44	3.7
		900	44	3.2	44	3.3	44	3.4	44	3.5
		925	44	3.0	44	3.1	44	3.2	44	3.3
U.S.A. Only	5001 (1525) to 6000 (1829)	725	42	3.2	42	3.3	42	3.4	42	3.5
		750	43	3.7	43	3.8	42	3.2	42	3.3
		775	43	3.4	43	3.5	43	3.7	43	3.8
		800	44	3.7	44	3.8	43	3.4	43	3.5
		825	44	3.5	44	3.6	44	3.7	44	3.8
		850	44	3.3	44	3.4	44	3.5	44	3.6
		875	44	3.1	44	3.2	44	3.3	44	3.4
		900	44	2.9	44	3.0	44	3.1	44	3.2
U.S.A. Only	6001 (1830) to 7000 (2133)	675	42	3.4	42	3.5	42	3.6	42	3.8
		700	42	3.2	42	3.3	42	3.4	42	3.5
		725	43	3.6	43	3.7	43	3.8	42	3.3
		750	43	3.4	43	3.5	43	3.6	43	3.7
		775	44	3.6	44	3.7	43	3.4	43	3.5
		800	44	3.4	44	3.5	44	3.6	44	3.7
		825	44	3.2	44	3.3	44	3.4	44	3.5
		850	44	3.0	44	3.1	44	3.2	44	3.3

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