

Gas Performance Data												
PF-100-G-2011-60 hz		1	2	3	4	5	6	7	8	9	10	11
% Burner output		0%	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%
Heat input	MMBtu/hr	10.0	19.0	28.0	37.0	46.0	55.0	64.0	73.0	82.0	91.0	100.0
Gas Flow	SCFH	10,000	19,000	28,000	37,000	46,000	55,000	64,000	73,000	82,000	91,000	100,000
Gas Mod. valve position (Smartlink)	%	1.00	1.75	2.00	2.75	3.00	3.50	3.75	4.00	4.75	5.50	10.00
Gas Pressure in Train	PSI	3.69	3.55	3.62	3.53	3.51	3.50	3.50	3.50	3.49	3.49	3.47
Gas Pressure in gas manifold	"w.c"	2.0	5.1	5.3	4.8	3.5	2.4	0.7	1.3	2.7	6.2	13.1
Dp at gas orifice (4.6" bore)	"w.c"											
Damper Position		0	1.5	1.75	2.5	2.75	3.25	3.5	4	4.5	5.25	9
Blower Body Pressure	"w.c"	50.00	49.70	48.50	47.50	45.20	45.90	43.70	40.40	36.50	33.00	28.50
Burner Body Pressure	"w.c"	0.21	0.30	0.39	1.52	3.26	5.31	6.42	6.15	8.03	10.72	17.69
Combustion Air Motor Power	HP	34.0	45.0	47.0	55.0	58.5	65.0	74.0	78.5	83.3	85.0	87.0
Combustion Air Motor Current	Amp.	38.0	45.0	49.0	55.0	59.0	65.0	74.0	78.0	82.0	84.0	86.0
Total Air Flow	SCFH	273,075	350,755	440,462	587,940	703,003	840,195	851,895	1,013,560	1,105,795	1,178,040	1,333,527
Burner Air Flow	SCFH	163,845	210,453	264,277	352,764	421,802	504,117	511,137	608,136	663,477	706,824	800,116
Flame Length	Feet	2	3	4	4.5	5	5	5.5	6	6.5	7	7.5
Flame Diameter	Feet	3	4.5	5	5	5	5	5	5	5	5	5
Excess air	%	171%	84%	56%	58%	52%	52%	32%	38%	34%	29%	33%