

Oil Performance Data												
PF-100-O-2011-60hz		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	8.5	17.7	26.8	35.9	45.1	54.2	63.3	72.5	81.6	90.7	99.9
Oil Flow	GPM	1.0	2.1	3.1	4.2	5.3	6.4	7.4	8.5	9.6	10.6	11.7
	LPM	3.8	7.8	11.9	16.0	20.0	24.1	28.1	32.2	36.2	40.3	44.4
Oil Control Valve Position	Indicator	0.00	4.00	4.50	5.25	5.75	6.00	6.50	7.00	7.50	8.00	11.50
Oil Pressure at Train Inlet	PSI	122.5	122	122	120	120	120	120	118	118	116	116
	kPa	845	841	841	827	827	827	827	814	814	800	800
Oil Pressure at Nozzle	PSI	2	2	2	8	12	16	20	26	30	38	44
	kPa	14	14	14	55	83	110	138	179	207	262	303
Total Air Flow	SCFH	268,545	442,378	537,193	687,838	769,170	883,568	952,675	1,010,560	1,069,958	1,184,665	1,309,162
	M <sup>3</sup>	7,604	12,527	15,212	19,477	21,780	25,020	26,977	28,616	30,298	33,546	37,071
Burner Air Flow	SCFH	161,127	265,427	322,316	412,703	461,502	530,141	571,605	606,336	641,975	710,799	785,497
	M <sup>3</sup>	4,563	7,516	9,127	11,686	13,068	15,012	16,186	17,170	18,179	20,128	22,243
Damper Position	Indicator	0.00	1.75	2.25	2.75	3.00	3.20	3.50	4.00	4.25	5.25	9.00
Blower Power	HP	54.4	64.7	74.4	85.0	92.1	105.0	108.0	112.0	117.0	122.0	127.0
Blower Current (480V)	A	62.7	70.9	79.0	88.6	96.8	106.0	110.0	115.0	118.0	123.0	127.0
Blower Body Pressure	i.w.c.	50.9	49.3	49.4	46.5	46.4	46.0	43.9	41.7	39.2	34.3	29.4
	Pa	12,678	12,280	12,305	11,582	11,557	11,458	10,935	10,387	9,764	8,544	7,323
Burner Body Pressure	i.w.c.	0.17	0.17	0.95	2.96	4.09	5.86	6.96	7.11	7.29	11	18.17
	Pa	42	42	237	737	1,019	1,460	1,734	1,771	1,816	2,740	4,526
Flame Diameter	Feet	4.0	5.0	5.0	5.5	5.5	5.5	5.5	6.0	6.0	6.5	6.5
Flame Length	Feet	4.0	4.5	4.5	4.8	5.0	5.0	5.5	6.5	7.0	7.5	9.0
Excess air (Calculated)	%	231%	163%	110%	101%	79%	71%	58%	46%	38%	37%	37%