

SUPERHEAT OPTIMIZER SYSTEM

FIELD TEST DATA

DATE	Supermarket #1 - STANDARD SYSTEM				Supermarket #2 - SUPERHEAT SENSOR SYSTEM			
	PRESSURE (PSIG)	PID OUTPUT (%)	AMPERAGE	POWER (KW)	PRESSURE (PSIG)	PID OUTPUT (%)	AMPERAGE	POWER (KW)
DAY 1	12.7	64.4	48.8	50.7	18.5	41.0	39.7	41.2
DAY 2	13.0	63.5	48.3	50.1	18.5	36.9	38.9	40.4
DAY 3	13.0	62.0	47.3	49.1	18.4	35.4	38.6	40.1
DAY 4	12.9	62.6	47.4	49.2	18.7	31.5	35.6	37.0
DAY 5	12.9	64.2	48.7	50.6	18.5	33.0	36.6	38.0
DAY 6	13.4	68.7	51.3	53.2	18.5	32.3	35.7	37.1
DAY 7	12.8	67.5	51.0	52.9	18.6	32.5	36.6	38.0
DAY 8	13.0	63.1	47.7	49.5	18.5	32.1	36.1	37.5
DAY 9	13.0	63.5	48.6	50.4	18.6	39.0	33.9	35.2
DAY 10	12.7	63.0	48.1	49.9	18.8	32.4	36.5	37.9
DAY 11	12.8	63.3	48.2	50.0	18.6	36.4	38.3	39.8
DAY 12	12.7	64.6	48.9	50.8	18.6	32.0	36.8	38.2
DAY 13	12.6	66.6	49.8	51.7	18.7	34.6	38.7	40.2
DAY 14	12.6	66.0	49.6	51.5	18.6	36.3	39.9	41.4
DAY 15	12.9	59.8	46.6	48.4	18.7	29.8	35.2	36.5
DAY 16	12.9	63.3	48.0	49.8	18.7	33.1	38.0	39.4
DAY 17	12.8	61.7	47.1	48.9	18.7	30.0	35.0	36.3
DAY 18	12.7	60.1	46.5	48.3	18.7	32.7	37.1	38.5
DAY 19	12.7	70.3	51.8	53.8	18.4	38.8	40.7	42.2
DAY 20	12.5	70.3	51.9	53.9	18.4	43.0	41.3	42.9
DAY 21	12.7	65.5	48.9	50.8	18.5	35.8	39.0	40.5
DAY 22	12.6	59.9	46.6	48.4	18.6	34.9	38.4	39.9
DAY 23	12.5	63.5	48.1	49.9	18.5	37.0	38.6	40.1
DAY 24	12.4	66.6	49.6	51.5	18.5	39.4	39.4	40.9
DAY 25	12.6	66.5	49.4	51.3	18.7	38.8	39.7	41.2
DAY 26	12.5	63.6	47.9	49.7	18.3	35.9	39.6	41.1
DAY 27	12.5	63.8	48.3	50.1	18.3	37.5	40.0	41.5
DAY 28	12.4	65.7	49.2	51.1	18.3	38.8	40.3	41.8
AVERAGE	12.7	64.4	48.7	50.6	18.6	35.4	38.0	39.5

SYSTEM(S) COMPARISON SUMMARY				
	PRESSURE (POUNDS)	PID OUTPUT (%)	AMPERAGE (AMPS)	POWER (KW)
DIFFERENCE	5.8	29.0	10.7 22.0%	11.1 22.0%

If any questions should arise with the above instructions /specifications, contact:

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RACK A - low temperature rack monitored at each store
 RACK A - Capacity 329.5 MBH Acutal Load 294 MBH Rated KW 62.2KW
 Apparent power is the actual power where:
 $P(\text{power}) = 1.73 V(\text{voltage}) I(\text{current})$ where the power factor equals one