7 Day Power Study

Power Study Summary

Source File: Duct 21-33

Test Began: 7/3/20 at 12:21:00

Test Ended: 7/10/20 at 10:59:00

Data Source: PowerSight PS4550, SN 04159

Measurement	Value	Units
Voltage, Phase 1, Max	285.2	volts
Voltage, Phase 1, Min	268.0	volts
Current, Phase 1, Avg	15.6	amps
Current, Phase 1, Max	53.4	amps
Current, Phase 1, Min	4.4	amps
Current, Phase 2, Avg	10.6	amps
Current, Phase 2, Max	45.0	amps
Current, Phase 2, Min	2.2	amps
Current, Phase 3, Avg	21.6	amps
Current, Phase 3, Max	57.2	amps
Current, Phase 3, Min	11.8	amps
True Power, Phase 1, Avg	4.217K	Watts
True Power, Phase 1, Max	13.798K	Watts
True Power, Phase 1, Min	940.0	Watts
True Power, Phase 2, Avg	2.771K	Watts
True Power, Phase 2, Max	11.494K	Watts
True Power, Phase 2, Min	740.0	Watts
True Power, Phase 3, Avg	5.905K	Watts
True Power, Phase 3, Max	14.637K	Watts
True Power, Phase 3, Min	3.160K	Watts
True Power, Total, Avg	12.891K	Watts
True Power, Total, Max	38.854K	Watts

True Power, Total, Min	4.880K	Watts
VA Power, Phase 1, Avg	4.319K	VA
VA Power, Phase 1, Max	14.714K	VA
VA Power, Phase 1, Min	1.198K	VA
VA Power, Phase 2, Avg	2.933K	VA
VA Power, Phase 2, Max	12.410K	VA
VA Power, Phase 2, Min	600.1	VA
VA Power, Phase 3, Avg	5.972K	VA
VA Power, Phase 3, Max	15.750K	VA
VA Power, Phase 3, Min	3.216K	VA
VA Power, Total, Avg	13.222K	VA
VA Power, Total, Max	41.926K	VA
VA Power, Total, Min	5.018K	VA
True Power Factor, Phase 1, Avg	0.98	
True Power Factor, Phase 1, Max	1.00	
True Power Factor, Phase 1, Min	0.36	
True Power Factor, Phase 2, Avg	0.95	
True Power Factor, Phase 2, Max	1.00	
True Power Factor, Phase 2, Min	0.45	
True Power Factor, Phase 3, Avg	0.99	
True Power Factor, Phase 3, Max	1.00	
True Power Factor, Phase 3, Min	0.65	
Energy, estimated per month:	9.410K	KWH
Utility Rate:	0.2000	$/KWH
Cost, Total Elapsed:	429.6	$
Cost, estimated per month:	1.856K	$
Peak Average Demand:	37.709K	watts
Peak Demand Period, KW:	07/05/20 @ 18:27:00	
Peak Average VA:	40.749K	VA
Peak Demand Period, KVA:	07/05/20 @ 16:11:00	

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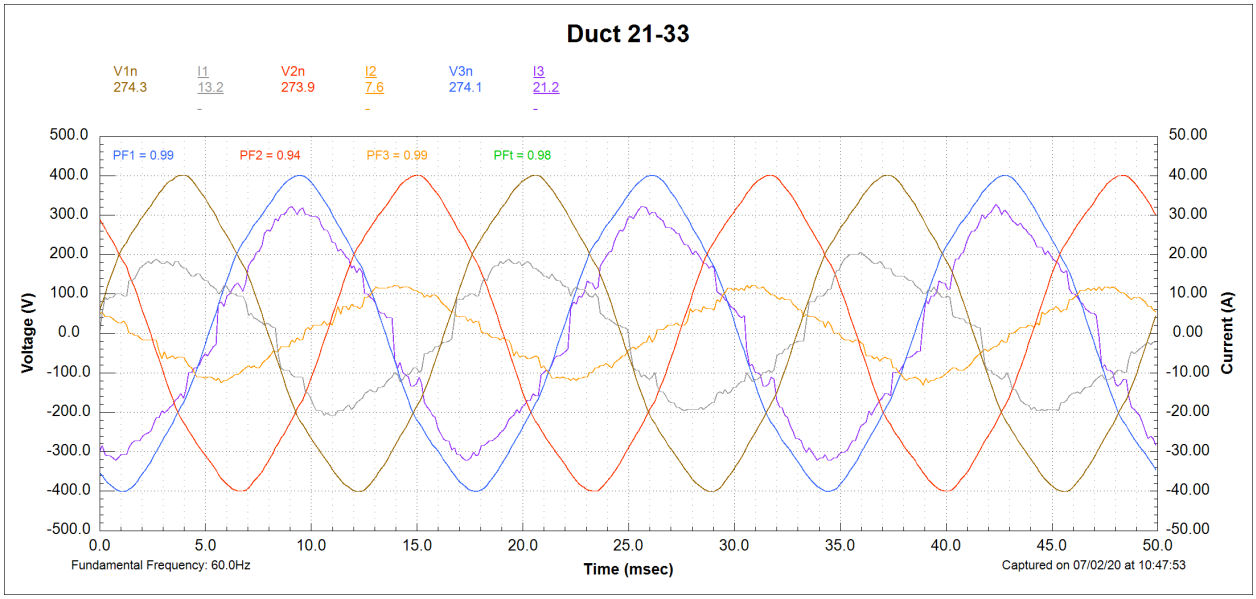
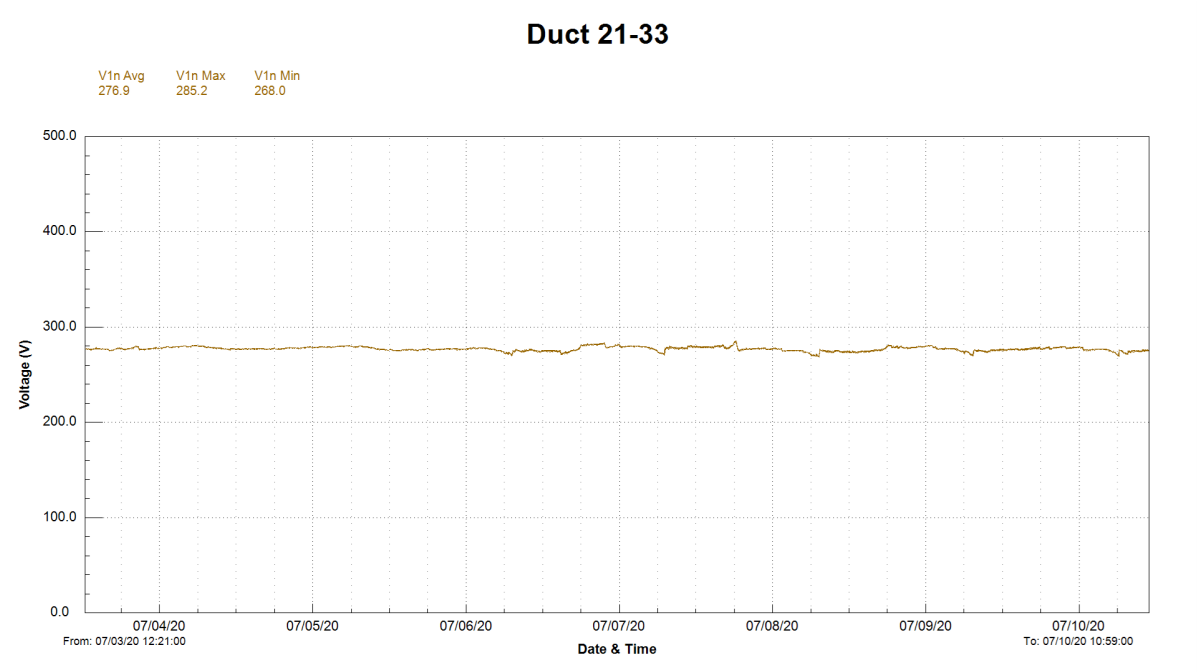
Waveforms at the start of the monitoring session:

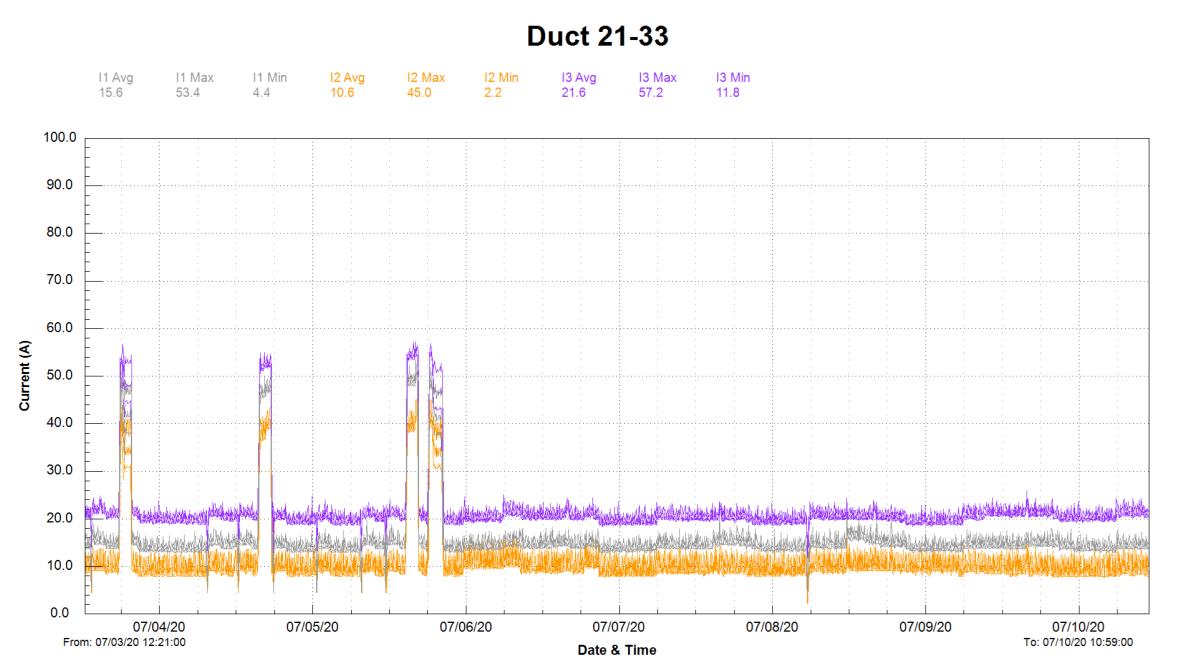


Graphs of the logged data of the monitoring session:

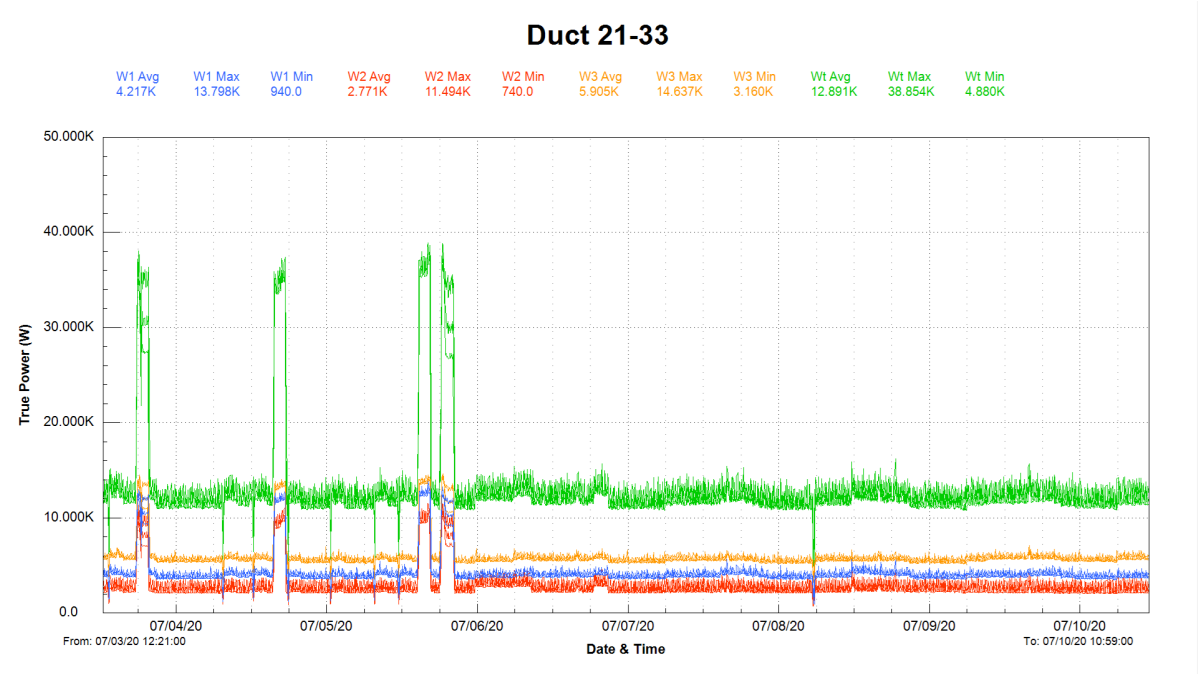
Voltage (volts)



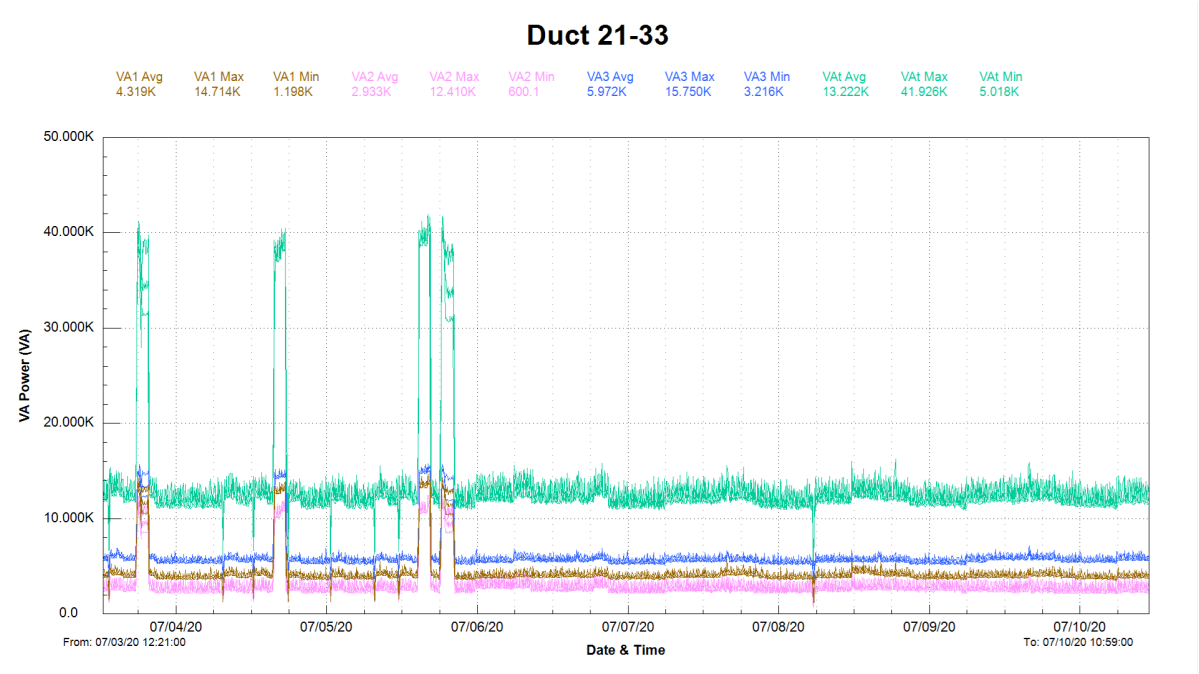
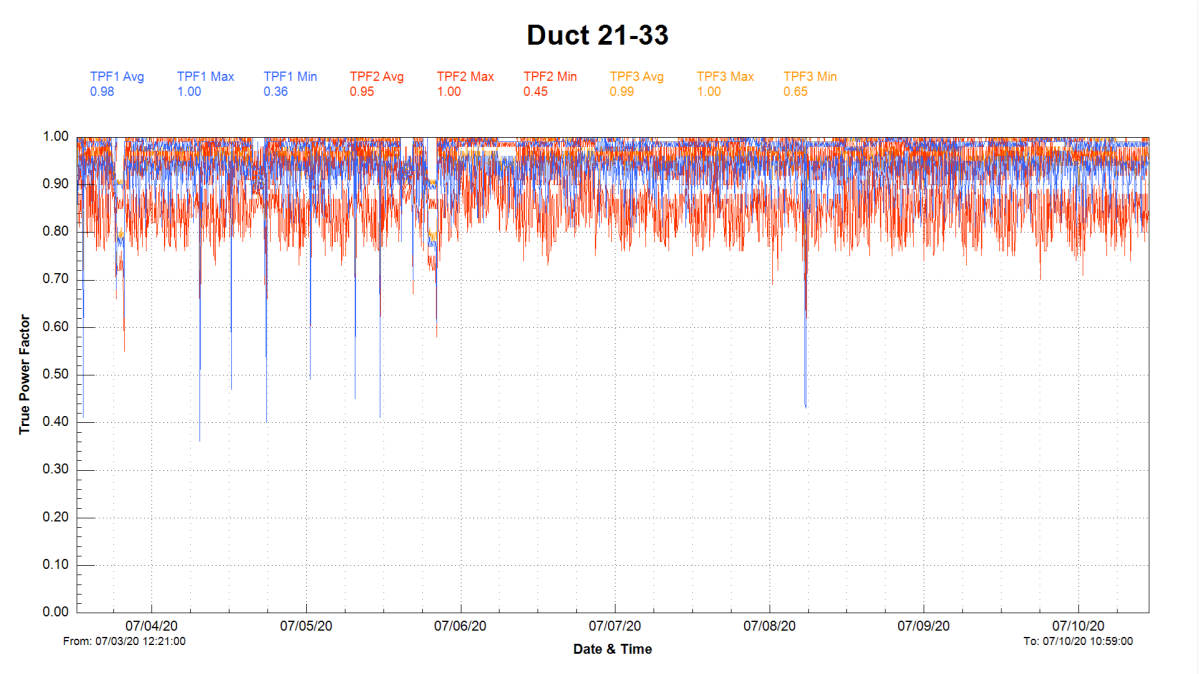
Current (amps)



True Power (watts)



Apparent Power (VA)



True Power Factor