



Underwriters
Laboratories

Performance Test Results Sheet.

Date: 28/09/10 - 30/09/10
Model AET-TE² S-63A-3Ph
Serial no. AET-T-100809-PR01

3-phase balanced inductive load Performance Test										
Reference	Voltage readings	Reaings without TE ² S			Readings with TE ² S				Amps saving	PF Improvement
		Current	Power factor	Total (Apparent) Power	Voltage readings	Current	Power factor	Total (Apparent) Power		
	Volts	Amps	PF	VA	Volts	Amps	PF	VA	%	%
1-R	230.6	14.56	0.636	3357.54	232.1	9.79	0.988	2272.26	32.76	55.35
1-Y	232.4	13.73	0.698	3190.85	233.6	9.98	0.985	2331.33	27.31	41.12
1-B	233.3	13.93	0.686	3249.87	234.2	9.97	0.988	2334.97	28.43	44.02
2-R	229.3	27.97	0.7	6413.52	231.9	20.31	0.989	4709.89	27.39	41.29
2-Y	230.8	27.44	0.704	6333.15	232.9	19.96	0.986	4648.68	27.26	40.06
2-B	231.5	27.01	0.704	6252.82	233.5	19.54	0.994	4562.59	27.66	41.19
3-R	230.8	40.5	0.679	9347.40	233.4	28.51	0.99	6654.23	29.60	45.80
3-Y	232.6	40.8	0.683	9490.08	235.3	28.94	0.986	6809.58	29.07	44.36
3-B	233.4	40.8	0.689	9522.72	236	29.02	0.993	6848.72	28.87	44.12
4-R	231.3	53.4	0.679	12351.42	234.5	37.2	0.99	8723.40	30.34	45.80
4-Y	232.9	53.3	0.69	12413.57	236.3	37.8	0.989	8932.14	29.08	43.33
4-B	233.8	53.9	0.69	12601.82	236.7	38.1	0.991	9018.27	29.31	43.62
4A-R	229	60.9	0.543	13946.10	232.7	35.6	0.964	8284.12	41.54	77.53
4A-Y	231.1	61.7	0.55	14258.87	235.3	36.8	0.963	8659.04	40.36	75.09
4A-B	231.8	62.2	0.55	14417.96	235.5	37.3	0.964	8784.15	40.03	75.27
5-R	230.8	14.85	0.753	3427.38	231.9	11.11	0.996	2576.41	25.19	32.27
5-Y	232.5	14.85	0.818	3452.63	233.4	11.06	0.987	2581.40	25.52	20.66
5-B	233	14.77	0.753	3441.41	234.1	11.43	0.996	2675.76	22.61	32.27
6-R	229.2	27.16	0.777	6225.07	230.9	21.48	0.993	4959.73	20.91	27.80
6-Y	230.8	27.08	0.784	6250.06	232.7	21.92	0.987	5100.78	19.05	25.89
6-B	231.8	25.99	0.774	6024.48	233.4	20.6	0.996	4808.04	20.74	28.68
7-R	230.8	42	0.755	9693.60	233.1	32.17	0.995	7498.83	23.40	31.79
7-Y	233.1	42.97	0.752	10016.31	235.5	32.15	0.992	7571.33	25.18	31.91
7-B	234.1	42	0.761	9832.20	236.1	32.41	0.994	7652.00	22.83	30.62
8-R	230.9	58	0.738	13392.20	233.6	43.7	0.994	10208.32	24.66	34.69
8-Y	233.4	57.3	0.743	13373.82	236.3	43.9	0.993	10373.57	23.39	33.65
8-B	234.1	57.5	0.738	13460.75	236.6	43.5	0.99	10292.10	24.35	34.15
3-phase unbalanced inductive load Performance Test										
9-R	231.1	18.44	0.614	4261.48	232.4	11.71	0.989	2721.40	36.50	61.07
9-Y	232	27.81	0.667	6451.92	233.7	19.28	0.985	4505.74	30.67	47.68
9-B	230.9	38.65	0.573	8924.29	233.8	23.27	0.985	5440.53	39.79	71.90
10-R	232.2	13.44	0.773	3120.77	233	10.76	0.987	2507.08	19.94	27.68
10-Y	232.3	26.87	0.777	6241.90	233.8	21.73	0.987	5080.47	19.13	27.03
10-B	230.6	40.4	0.749	9316.24	232.9	31.03	0.994	7226.89	23.19	32.71
10A-R	250.8	15.54	0.726	3897.43	251.5	11.59	0.99	2914.89	25.42	36.36
10A-Y	250.6	32.93	0.67	8252.26	251.5	22.93	0.985	5766.90	30.37	47.01
10A-B	249.7	49.9	0.528	12460.03	252.2	27.47	0.986	6927.93	44.95	86.74
10B-R	220.6	13.64	0.727	3008.98	222.2	10.3	0.987	2288.66	24.49	35.76
10B-Y	220.4	28.58	0.672	6299.03	223.1	20.24	0.984	4515.54	29.18	46.43
10B-B	217.7	43.5	0.525	9469.95	222.4	25.17	0.949	5597.81	42.14	80.76

Yours faithfully,

John Fisher
Associate Engineer Senior.