

POWER SUPPLY LOAD TEST

MAKE: ASTRON

MODEL: RM-50A

DATE: 6-Feb-11

CONT. RATING: 37A

INT. RATING: 50A

SERIAL: 9403024

AC MAINS FUSE: 10A FB

REMARKS:

20A MAINS FUSE USED FOR THIS TEST

LOAD AMPS	OUTPUT VOLTS	OUTPUT WATTS	AC INPUT VOLTS	AC INPUT AMPS	AC INPUT WATTS	AC INPUT VA	AC INPUT PF	OVERALL EFFICIENCY
0.0	13.80	0.0	121.0	0.64	26	77	0.34	0%
2.0	13.79	27.6	120.7	1.04	73	126	0.58	38%
4.0	13.79	55.2	120.6	1.57	119	189	0.63	46%
6.0	13.78	82.7	120.5	2.11	164	254	0.65	50%
8.0	13.77	110.2	120.3	2.63	209	316	0.66	53%
10.0	13.76	137.6	120.1	3.14	254	377	0.67	54%
12.0	13.75	165.0	119.9	3.63	298	435	0.68	55%
14.0	13.74	192.4	119.7	4.12	343	493	0.70	56%
16.0	13.74	219.8	119.5	4.58	386	547	0.71	57%
18.0	13.73	247.1	119.5	5.06	431	605	0.71	57%
20.0	13.72	274.4	119.4	5.51	474	658	0.72	58%
22.0	13.72	301.8	119.1	5.96	517	710	0.73	58%
24.0	13.71	329.0	118.9	6.40	559	761	0.73	59%
26.0	13.70	356.2	118.8	6.84	602	813	0.74	59%
28.0	13.70	383.6	118.7	7.28	646	864	0.75	59%
30.0	13.69	410.7	118.7	7.72	690	916	0.75	60%
32.0	13.68	437.8	118.7	8.14	733	966	0.76	60%
34.0	13.67	464.8	118.7	8.57	775	1017	0.76	60%
36.0	13.67	492.1	118.6	8.99	818	1066	0.77	60%
38.0	13.66	519.1	118.4	9.41	858	1114	0.77	60%
40.0	13.65	546.0	118.4	9.82	901	1163	0.77	61%
42.0	13.64	572.9	118.4	10.24	944	1212	0.78	61%
44.0	13.63	599.7	118.1	10.65	985	1258	0.78	61%
46.0	13.63	627.0	118.1	11.05	1025	1305	0.79	61%
48.0	13.63	654.2	117.9	11.44	1067	1349	0.79	61%
50.0	13.62	681.0	117.8	11.85	1109	1396	0.79	61%
52.0	13.61	707.7	117.8	12.25	1151	1443	0.80	61%

Note: Loads above 40 amperes will exceed the rating of the specified AC input fuse.

Note: The power cord used with this power supply should have 16 AWG conductors or larger.