

POWER SUPPLY LOAD TEST

MAKE: ASTRON

MODEL: RS-70M

DATE: 2-Feb-11

CONT. RATING: 57A

INT. RATING: 70A

SERIAL: 204110013

AC MAINS FUSE: 12A SB

REMARKS:

TESTED WITH 20A FUSE INSTALLED

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	13.81	0.0	121.5	0.57	25	69	0.36	0%
2.0	13.81	27.6	121.4	0.98	72	119	0.61	38%
4.0	13.80	55.2	121.4	1.52	118	185	0.64	47%
6.0	13.80	82.8	120.9	2.05	163	248	0.66	51%
8.0	13.79	110.3	120.7	2.56	208	309	0.67	53%
10.0	13.78	137.8	120.7	3.07	254	371	0.69	54%
12.0	13.78	165.4	120.5	3.57	298	430	0.69	55%
14.0	13.77	192.8	120.3	4.06	343	488	0.70	56%
16.0	13.77	220.3	120.1	4.54	387	545	0.71	57%
18.0	13.76	247.7	120.0	5.01	431	601	0.72	57%
20.0	13.76	275.2	119.8	5.47	475	655	0.72	58%
22.0	13.75	302.5	119.8	5.94	519	712	0.73	58%
24.0	13.74	329.8	119.8	6.39	563	766	0.74	59%
26.0	13.74	357.2	119.7	6.84	607	819	0.74	59%
28.0	13.73	384.4	119.5	7.28	649	870	0.75	59%
30.0	13.73	411.9	119.5	7.72	692	923	0.75	60%
32.0	13.72	439.0	119.4	8.16	737	974	0.76	60%
34.0	13.72	466.5	119.4	8.58	779	1024	0.76	60%
36.0	13.71	493.6	119.3	9.00	823	1074	0.77	60%
38.0	13.71	521.0	119.3	9.43	865	1125	0.77	60%
40.0	13.70	548.0	119.2	9.84	906	1173	0.77	60%
42.0	13.69	575.0	119.1	10.25	947	1221	0.78	61%
44.0	13.69	602.4	118.9	10.66	990	1267	0.78	61%
46.0	13.68	629.3	118.8	11.06	1031	1314	0.78	61%
48.0	13.68	656.6	118.6	11.47	1072	1360	0.79	61%
50.0	13.67	683.5	118.3	11.86	1112	1403	0.79	61%
52.0	13.66	710.3	118.3	12.35	1163	1461	0.80	61%
54.0	13.65	737.1	118.2	12.73	1204	1505	0.80	61%
56.0	13.65	764.4	117.9	13.12	1245	1547	0.80	61%
58.0	13.64	791.1	117.9	13.49	1285	1590	0.81	62%
60.0	13.63	817.8	117.7	13.91	1325	1637	0.81	62%
62.0	13.63	845.1	117.5	14.28	1364	1678	0.81	62%
64.0	13.62	871.7	117.3	14.67	1404	1721	0.82	62%
66.0	13.62	898.9	117.3	15.05	1443	1765	0.82	62%
68.0	13.61	925.5	117.0	15.42	1480	1804	0.82	63%
70.0	13.60	952.0	116.9	15.82	1520	1849	0.82	63%
72.0	13.60	979.2	116.8	16.19	1562	1891	0.83	63%

Note: Loads above 50 amperes will exceed the rating of the AC input fuse. Also, the NEMA 5-15P plug on the power cord is limited to 12 amperes by Article 210.21(B)(2) of the National Electrical Code.

Note: The power cord used with this unit should have 14 AWG conductors or larger.