

POWER SUPPLY LOAD TEST

MAKE: ASTRON

MODEL: LS-35M

DATE: 3-Feb-11

CONT. RATING: 28A

INT. RATING: 35A

SERIAL: 204080005

AC MAINS FUSE: 12A SB

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	28.03	0.0	121.1	1.04	42	126	0.33	0%
1.0	28.03	28.0	121.0	1.37	88	166	0.53	32%
2.0	28.03	56.1	120.9	1.84	135	222	0.61	42%
3.0	28.03	84.1	120.9	2.33	180	282	0.64	47%
4.0	28.03	112.1	120.8	2.84	225	120	0.66	50%
5.0	28.03	140.2	120.5	3.35	271	404	0.67	52%
6.0	28.02	168.1	120.3	3.85	315	463	0.68	53%
7.0	28.02	196.1	120.2	4.35	359	523	0.69	55%
8.0	28.02	224.2	120.1	4.83	403	580	0.69	56%
9.0	28.02	252.2	119.9	5.32	447	638	0.70	56%
10.0	28.02	280.2	119.6	5.79	490	692	0.71	57%
11.0	28.02	308.2	119.6	6.25	533	748	0.71	58%
12.0	28.02	336.2	119.4	6.72	577	802	0.72	58%
13.0	28.02	364.3	119.2	7.17	620	855	0.73	59%
14.0	28.02	392.3	119.2	7.62	663	908	0.73	59%
15.0	28.02	420.3	119.1	8.06	706	960	0.74	60%
16.0	28.02	448.3	119.0	8.48	747	1009	0.74	60%
17.0	28.01	476.2	118.7	8.95	788	1062	0.74	60%
18.0	28.01	504.2	118.5	9.38	831	1112	0.75	61%
19.0	28.01	532.2	118.4	9.82	873	1163	0.75	61%
20.0	28.01	560.2	118.3	10.25	916	1213	0.76	61%
21.0	28.01	588.2	118.2	10.67	956	1261	0.76	62%
22.0	28.00	616.0	118.2	11.16	1010	1319	0.77	61%
23.0	28.00	644.0	118.2	11.58	1051	1369	0.77	61%
24.0	27.99	671.8	118.1	11.99	1091	1416	0.77	62%
25.0	27.99	699.8	118.0	12.39	1132	1462	0.77	62%
26.0	27.98	727.5	117.8	12.79	1175	1507	0.78	62%
27.0	27.97	755.2	117.8	13.21	1214	1556	0.78	62%
28.0	27.97	783.2	117.6	13.60	1254	1599	0.78	62%
29.0	27.96	810.8	117.3	14.01	1291	1643	0.79	63%
30.0	27.96	838.8	117.1	14.41	1331	1687	0.79	63%
31.0	27.96	866.8	117.0	14.78	1370	1729	0.79	63%
32.0	27.95	894.4	116.7	15.19	1410	1773	0.80	63%
33.0	27.95	922.4	116.7	15.56	1452	1816	0.80	64%
34.0	27.95	950.3	116.6	15.95	1490	1860	0.80	64%
35.0	27.94	977.9	116.5	16.33	1529	1902	0.80	64%
36.0	27.94	1005.8	116.4	16.72	1568	1946	0.81	64%

NOTE: This power supply cannot supply a load greater than 24 amperes without exceeding the rating of the AC mains fuse. Also, the NEMA 5-15P plug is limited to 12 amperes by Article 210.21(B)(2) of the National Electrical Code. The power cord must have 14 AWG conductors when used with this unit.