

POWER SUPPLY LOAD TEST

MAKE: MFJ

MODEL: MFJ-4225MV

DATE: 7-Mar-11

CONT. RATING: 22A

INT. RATING: 25A

SERIAL: L7000006610

AC MAINS FUSE: 5A FB

REMARKS:

8A 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	122.1	0.19	12	23	0.52	0%
1.0	13.79	13.8	121.7	0.46	30	56	0.54	46%
2.0	13.77	27.5	121.7	0.68	46	83	0.56	60%
3.0	13.76	41.3	121.7	0.91	62	111	0.56	67%
4.0	13.74	55.0	121.7	1.15	78	140	0.56	70%
5.0	13.73	68.7	121.6	1.39	94	169	0.56	73%
6.0	13.72	82.3	121.3	1.62	111	197	0.56	74%
7.0	13.70	95.9	121.3	1.84	126	223	0.56	76%
8.0	13.69	109.5	121.3	2.08	143	252	0.57	77%
9.0	13.67	123.0	121.3	2.31	159	280	0.57	77%
10.0	13.66	136.6	121.2	2.55	176	309	0.57	78%
11.0	13.64	150.0	121.2	2.80	192	339	0.57	78%
12.0	13.63	163.6	121.2	3.02	209	366	0.57	78%
13.0	13.62	177.1	121.2	3.25	226	394	0.57	78%
14.0	13.60	190.4	121.1	3.48	243	421	0.58	78%
15.0	13.59	203.9	121.1	3.72	260	450	0.58	78%
16.0	13.57	217.1	121.0	3.94	278	477	0.58	78%
17.0	13.56	230.5	121.0	4.17	295	505	0.58	78%
18.0	13.54	243.7	121.0	4.40	313	532	0.59	78%
19.0	13.53	257.1	120.9	4.63	331	560	0.59	78%
20.0	13.51	270.2	120.7	4.84	348	584	0.60	78%
21.0	13.50	283.5	121.6	5.06	367	615	0.60	77%
22.0	13.47	296.3	121.1	5.37	384	650	0.59	77%
23.0	13.46	309.6	121.1	5.61	402	679	0.59	77%
24.0	13.44	322.6	121.1	5.85	421	708	0.59	77%
25.0	13.42	335.5	121.0	6.12	439	741	0.59	76%
26.0	13.41	348.7	121.0	6.37	459	771	0.60	76%
27.0	13.39	361.5	121.0	6.62	478	801	0.60	76%

Note: This unit cannot be loaded above 21 amperes without exceeding the AC Mains fuse rating.

Note: Voltage collapsed at 27.2 amperes load.

Note: This is a switch-mode power supply. Both meters were accurate without adjustment.

Note: The stock 5A mains fuse should be replaced with a 6.3A FB 5 x 20mm fuse.