



emacoustics

Di Series

INSTALLATION SYSTEM AMPLIFIERS

AC Power Draw & Thermal Dissipation

Model Di20

Sleep mode (slow wake up)					
AC Mains Power Draw (Watts)	Current Draw (Amps)		Thermal Dissipation		
	120Vac	230Vac	Watts	kcal/hr	btu/hr
4.5	0.4	0.2	4.5	4	15

Standby mode (fast wake up)					
AC Mains Power Draw (Watts)	Current Draw (Amps)		Thermal Dissipation		
	120Vac	230Vac	Watts	kcal/hr	btu/hr
60	1.0	0.5	60	52	205

Running with no audio signal					
AC Mains Power Draw (Watts)	Current Draw (Amps)		Thermal Dissipation		
	120Vac	230Vac	Watts	kcal/hr	btu/hr
195	2.9	1.5	195	168	665

Running in 2 Ohm mode* (all channels driven)						
Load (Ohms)	Signal duty & Crest Factor	Input power (Watts)	Current Draw (Amps)		Thermal Dissipation	
			120Vac	230Vac	Watts	kcal/hr
2	1/8, cf = 4.0 (12dB)	3000	33.5**	17.5	500	430
4	1/4, cf = 2.8 (9dB)	3475	38.8**	20.3	475	408
4	1/8, cf = 4.0 (12dB)	1780	19.7	10.3	280	241
8	1/4, cf = 2.8 (9dB)	1750	19.2	10.0	250	215
8	1/8, cf = 4.0 (12dB)	975	11.0	5.8	225	193
						767

Notes

- The amplifier was configured to have no audio processing
- Measurements were performed with a Hameg HM8115-2 power analyser
- All measurements were done at 230Vac, 50Hz.
- The Current Draw figures for 120Vac are calculated
- *The Di820 does not have 4 & 8 Ohm Low Z modes
- **The EBP limiter should be set to 32A, but will not activate on any sensible program material

Model Di10

Sleep mode (slow wake up)					
AC Mains Power Draw (Watts)	Current Draw (Amps)		Thermal Dissipation		
	120Vac	230Vac	Watts	kcal/hr	btu/hr
4.5	0.4	0.2	4.5	4	15

Standby mode (fast wake up)					
AC Mains Power Draw (Watts)	Current Draw (Amps)		Thermal Dissipation		
	120Vac	230Vac	Watts	kcal/hr	btu/hr
60	1.0	0.5	60	52	205

Running with no audio signal					
AC Mains Power Draw (Watts)	Current Draw (Amps)		Thermal Dissipation		
	120Vac	230Vac	Watts	kcal/hr	btu/hr
204	3	1.55	204	175	696

Running (all channels driven)								
Load Mode	Load (Ohms)	Signal duty & Crest Factor	Input power (Watts)	Input Current (Amps)		Thermal Dissipation		
				120Vac	230Vac	Watts	kcal/hr	btu/hr
2 Ohm	2	1/8, cf = 4.0 (12dB)	1687	20.2	10.5	437	376	1492
2 Ohm	4	1/4, cf = 2.8 (9dB)	1636	19.7	10.3	386	332	1316
2 Ohm	4	1/8, cf = 4.0 (12dB)	922	11.7	6.1	297	256	1015
4 Ohm	4	1/4, cf = 2.8 (9dB)	2951	31.4	16.4	451	388	1538
4 Ohm	4	1/8, cf = 4.0 (12dB)	1601	19.8	10.3	351	302	1197
4 Ohm	8	1/4, cf = 2.8 (9dB)	1589	19.0	9.9	339	291	1157
4 Ohm	8	1/8, cf = 4.0 (12dB)	904	11.4	6.0	279	240	952
8 Ohm	8	1/4, cf = 2.8 (9dB)	2809	32.9	17.2	309	266	1054
8 Ohm	8	1/8, cf = 4.0 (12dB)	1551	18.3	9.5	301	259	1026

Notes

- The amplifier was configured to have no audio processing
- Measurements were performed with a Hameg HM8115-2 power analyser
- All measurements were done at 230Vac, 50Hz.
- The Current Draw figures for 120Vac are calculated

Model Di06

Sleep mode (slow wake up)					
AC Mains Power Draw (Watts)	Current Draw (Amps)		Thermal Dissipation		
	120Vac	230Vac	Watts	kcal/hr	btu/hr
4.5	0.4	0.2	4.5	4	15

Standby mode (fast wake up)					
AC Mains Power Draw (Watts)	Current Draw (Amps)		Thermal Dissipation		
	120Vac	230Vac	Watts	kcal/hr	btu/hr
60	1.0	0.5	60	52	205

Running with no audio signal					
AC Mains Power Draw (Watts)	Current Draw (Amps)		Thermal Dissipation		
	120Vac	230Vac	Watts	kcal/hr	btu/hr
132	2.9	1.5	132	114	450

Running (all channels driven)								
Load Mode	Load (Ohms)	Signal duty & Crest Factor	Input power (Watts)	Input Current (Amps)		Thermal Dissipation		
				120Vac	230Vac	Watts	kcal/hr	btu/hr
2 Ohm	2	1/8, cf = 4.0 (12dB)	1022	12.8	6.7	272	234	928
2 Ohm	4	1/4, cf = 2.8 (9dB)	991	12.5	6.5	241	207	822
2 Ohm	4	1/8, cf = 4.0 (12dB)	563	7.9	4.1	188	162	642
4 Ohm	4	1/4, cf = 2.8 (9dB)	1780	21.1	11.0	280	241	955
4 Ohm	4	1/8, cf = 4.0 (12dB)	970	11.5	6.0	220	189	751
4 Ohm	8	1/4, cf = 2.8 (9dB)	963	11.5	6.0	213	183	727
4 Ohm	8	1/8, cf = 4.0 (12dB)	552	7.3	3.8	177	152	604
8 Ohm	8	1/4, cf = 2.8 (9dB)	1695	19.2	10.0	195	168	665
8 Ohm	8	1/8, cf = 4.0 (12dB)	940	11.5	6.0	190	163	648

Notes

- The amplifier was configured to have no audio processing
- Measurements were performed with a Hameg HM8115-2 power analyser
- All measurements were done at 230Vac, 50Hz.
- The Current Draw figures for 120Vac are calculated

Model Di20

Sleep mode (slow wake up)					
AC Mains Power Draw (Watts)	Current Draw (Amps)		Thermal Dissipation		
	120Vac	230Vac	Watts	kcal/hr	btu/hr
4.5	0.4	0.2	4.5	4	15

Standby mode (fast wake up)					
AC Mains Power Draw (Watts)	Current Draw (Amps)		Thermal Dissipation		
	120Vac	230Vac	Watts	kcal/hr	btu/hr
60	1.0	0.5	60	52	205

Running with no audio signal					
AC Mains Power Draw (Watts)	Current Draw (Amps)		Thermal Dissipation		
	120Vac	230Vac	Watts	kcal/hr	btu/hr
204	3	1.55	204	175	696

Running (all channels driven)								
Load Mode	Load (Ohms)	Signal duty & Crest Factor	Input power (Watts)	Input Current (Amps)		Thermal Dissipation		
				120Vac	230Vac	Watts	kcal/hr	btu/hr
2 Ohm	2	1/8, cf = 4.0 (12dB)	1703	20.4	10.6	453	390	1547
2 Ohm	4	1/4, cf = 2.8 (9dB)	1652	19.8	10.3	402	345	1371
2 Ohm	4	1/8, cf = 4.0 (12dB)	938	11.9	6.2	313	269	1069
4 Ohm	4	1/8, cf = 4.0 (12dB)	3010	33.7**	17.6	510	438	1740
4 Ohm	8	1/4, cf = 2.8 (9dB)	2825	30.0	15.7	325	279	1109
4 Ohm	8	1/8, cf = 4.0 (12dB)	1567	18.8	9.8	317	273	1082
8 Ohm	8	1/4, cf = 2.8 (9dB)	3330	37.3**	19.5	330	284	1126
8 Ohm	8	1/8, cf = 4.0 (12dB)	1820	21.5	11.2	320	275	1092

Notes

- The amplifier was configured to have no audio processing
- Measurements were performed with a Hameg HM8115-2 power analyser
- All measurements were done at 230Vac, 50Hz.
- The Current Draw figures for 120Vac are calculated
- **The EBP limiter should be set to 32A, but will not activate on any sensible program material

Model Di10

Sleep mode (slow wake up)					
AC Mains Power Draw (Watts)	Current Draw (Amps)		Thermal Dissipation		
	120Vac	230Vac	Watts	kcal/hr	btu/hr
4.5	0.4	0.2	4.5	4	15

Standby mode (fast wake up)					
AC Mains Power Draw (Watts)	Current Draw (Amps)		Thermal Dissipation		
	120Vac	230Vac	Watts	kcal/hr	btu/hr
60	1.0	0.5	60	52	205

Running with no audio signal					
AC Mains Power Draw (Watts)	Current Draw (Amps)		Thermal Dissipation		
	120Vac	230Vac	Watts	kcal/hr	btu/hr
204	3	1.55	204	175	696

Running (all channels driven)								
Load Mode	Load (Ohms)	Signal duty & Crest Factor	Input power (Watts)	Input Current (Amps)		Thermal Dissipation		
				120Vac	230Vac	Watts	kcal/hr	btu/hr
2 Ohm	2	1/8, cf = 4.0 (12dB)	1687	20.2	10.5	437	376	1492
2 Ohm	4	1/4, cf = 2.8 (9dB)	1636	19.7	10.3	386	332	1316
2 Ohm	4	1/8, cf = 4.0 (12dB)	922	11.7	6.1	297	256	1015
4 Ohm	4	1/4, cf = 2.8 (9dB)	2951	31.4	16.4	451	388	1538
4 Ohm	4	1/8, cf = 4.0 (12dB)	1601	19.8	10.3	351	302	1197
4 Ohm	8	1/4, cf = 2.8 (9dB)	1589	19.0	9.9	339	291	1157
4 Ohm	8	1/8, cf = 4.0 (12dB)	904	11.4	6.0	279	240	952
8 Ohm	8	1/4, cf = 2.8 (9dB)	2809	32.9	17.2	309	266	1054
8 Ohm	8	1/8, cf = 4.0 (12dB)	1551	18.3	9.5	301	259	1026

Notes

- The amplifier was configured to have no audio processing
- Measurements were performed with a Hameg HM8115-2 power analyser
- All measurements were done at 230Vac, 50Hz.
- The Current Draw figures for 120Vac are calculated

Model Di06

Sleep mode (slow wake up)					
AC Mains Power Draw (Watts)	Current Draw (Amps)		Thermal Dissipation		
	120Vac	230Vac	Watts	kcal/hr	btu/hr
4.5	0.4	0.2	4.5	4	15

Standby mode (fast wake up)					
AC Mains Power Draw (Watts)	Current Draw (Amps)		Thermal Dissipation		
	120Vac	230Vac	Watts	kcal/hr	btu/hr
60	1.0	0.5	60	52	205

Running with no audio signal					
AC Mains Power Draw (Watts)	Current Draw (Amps)		Thermal Dissipation		
	120Vac	230Vac	Watts	kcal/hr	btu/hr
204	3	1.55	204	175	696

Running (all channels driven)								
Load Mode	Load (Ohms)	Signal duty & Crest Factor	Input power (Watts)	Input Current (Amps)		Thermal Dissipation		
				120Vac	230Vac	Watts	kcal/hr	btu/hr
2 Ohm	2	1/8, cf = 4.0 (12dB)	1032	13.0	6.8	282	243	963
2 Ohm	4	1/4, cf = 2.8 (9dB)	1000	12.6	6.6	251	216	856
2 Ohm	4	1/8, cf = 4.0 (12dB)	569	7.9	4.1	194	166	661
4 Ohm	4	1/4, cf = 2.8 (9dB)	1798	21.3	11.1	298	256	1016
4 Ohm	4	1/8, cf = 4.0 (12dB)	980	11.6	6.1	230	198	784
4 Ohm	8	1/4, cf = 2.8 (9dB)	973	11.6	6.1	223	191	760
4 Ohm	8	1/8, cf = 4.0 (12dB)	558	7.4	3.8	183	157	623
8 Ohm	8	1/4, cf = 2.8 (9dB)	1712	19.4	10.1	212	182	723
8 Ohm	8	1/8, cf = 4.0 (12dB)	949	11.6	6.1	199	171	680

Notes

- The amplifier was configured to have no audio processing
- Measurements were performed with a Hameg HM8115-2 power analyser
- All measurements were done at 230Vac, 50Hz.
- The Current Draw figures for 120Vac are calculated