



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	btu/hr
2	1/8, cf = 4.0 (12dB)	3000	33.5**	17.5	500	430	1706
4	1/4, cf = 2.8 (9dB)	3475	38.8**	20.3	475	408	1621
4	1/8, cf = 4.0 (12dB)	1780	19.7	10.3	280	241	955
8	1/4, cf = 2.8 (9dB)	1750	19.2	10.0	250	215	853
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