

Crown CDi DriveCore Power Draw & Thermal Dissipation

CDi DriveCore 2|300 / 2|300BL

Pink noise 12dB crest factor, bandwidth limited 22Hz to 22kHz.

Typical line impedance used.

Data based on all channels driven.

CDi DriveCore 2 300 / 2 300BL Unbridged																	
Condition	Load	85 VAC / 60 Hz				120 VAC / 60 Hz				230 VAC / 50 Hz				277 VAC / 50 Hz			
		Line current (amps)	Power Dissipated as Heat			Line current (amps)	Power Dissipated as Heat			Line current (amps)	Power Dissipated as Heat			Line current (amps)	Power Dissipated as Heat		
			watts	BTU	kcal/hr		watts	BTU	kcal/hr		watts	BTU	kcal/hr		watts	BTU	kcal/hr
At Idle Awake	N/A	0.8	66.52	227.03	57.23	0.6	73	251	63	0.4	102	347	88	0.6	153	522	131
1/8 Power Pink Noise Typical of program material just at clip	2 ohms	1.4	85	290	73	1.1	91	310	78	0.7	119	405	102	0.7	151	517	130
	4 ohms	2.0	94	321	81	1.4	97	331	83	0.8	118	403	102	0.8	149	508	128
	8 ohms	1.9	85	289	73	1.4	86	295	74	0.8	108	368	93	0.8	138	470	118
	70v	1.8	79	271	68	1.3	83	282	71	0.8	102	350	88	0.8	136	463	117
	100v	1.8	78	265	67	1.3	80	272	69	0.8	102	347	87	0.8	134	458	116
1/3 Power Pink Noise Typical of program material at extreme clip	2 ohms	2.6	122	416	105	1.9	123	419	106	1.1	140	479	121	1.0	175	596	150
	4 ohms	4.0	136	465	117	2.8	138	471	119	1.5	150	512	129	1.4	183	625	157
	8 ohms	3.7	117	400	101	2.6	116	397	100	1.4	125	428	108	1.3	163	557	140
	70v	4.1	154	525	132	2.5	110	377	95	1.4	115	391	99	1.3	156	532	134
	100v	3.5	102	348	88	2.5	99	337	85	1.3	112	381	96	1.2	147	501	126

CDi DriveCore 2 300 / 2 300BL Bridged																	
Condition	Load	85 VAC / 60 Hz				120 VAC / 60 Hz				230 VAC / 50 Hz				277 VAC / 50 Hz			
		Line current (amps)	Power Dissipated as Heat			Line current (amps)	Power Dissipated as Heat			Line current (amps)	Power Dissipated as Heat			Line current (amps)	Power Dissipated as Heat		
			watts	BTU	kcal/hr		watts	BTU	kcal/hr		watts	BTU	kcal/hr		watts	BTU	kcal/hr
At Idle Awake	N/A	0.8	67	229	58	0.6	73	250	63	0.4	102	348	88	0.6	153	521	131
1/8 Power Pink Noise Typical of program material just at clip	2 ohms	1.5	87	297	75	1.0	89	303	76	0.7	114	388	98	0.7	143	489	123
	4 ohms	1.9	90	306	77	1.4	92	313	79	0.8	112	382	96	0.8	148	506	127
	8 ohms	1.9	84	287	72	1.3	84	286	72	0.8	107	365	92	0.8	141	481	121
	70v	1.8	78	268	68	1.3	79	271	68	0.8	102	349	88	0.8	134	459	116
	100v	1.8	78	266	67	1.3	79	271	68	0.8	101	345	87	0.7	133	452	114
1/3 Power Pink Noise Typical of program material at extreme clip	2 ohms	2.6	116	397	100	1.8	118	403	102	1.0	133	453	114	1.0	169	576	145
	4 ohms	3.9	128	436	110	2.8	127	432	109	1.5	138	471	119	1.4	176	600	151
	8 ohms	3.8	115	394	99	2.7	112	381	96	1.4	123	419	106	1.3	159	541	136
	70v	3.5	108	368	93	2.5	101	344	87	1.3	111	378	95	1.3	148	506	128
	100v	3.5	104	354	89	2.5	99	338	85	1.3	111	378	95	1.2	148	504	127

CDi DriveCore 4|300 / 4|300BL

Pink noise 12dB crest factor, bandwidth limited 22Hz to 22kHz.

Typical line impedance used.

Data based on all channels driven.

CDi DriveCore 4 300 / 4 300BL Unbridged																	
Condition	Load	85 VAC / 60 Hz				120 VAC / 60 Hz				230 VAC / 50 Hz				277 VAC / 50 Hz			
		Line current (amps)	Power Dissipated as Heat			Line current (amps)	Power Dissipated as Heat			Line current (amps)	Power Dissipated as Heat			Line current (amps)	Power Dissipated as Heat		
			watts	BTU	kcal/hr		watts	BTU	kcal/hr		watts	BTU	kcal/hr		watts	BTU	kcal/hr
At Idle Awake	N/A	1.2	102.00	348.12	87.76	0.9	110	375	94	0.5	125	428	108	0.5	150	512	129
1/8 Power Pink Noise Typical of program material just at clip	2 ohms	2.3	118	403	102	1.8	139	475	120	1.0	160	544	137	1.0	198	675	170
	4 ohms	3.7	159	541	136	2.6	160	544	137	1.4	173	591	149	1.3	203	692	175
	8 ohms	3.4	141	480	121	2.4	140	477	120	1.3	150	511	129	1.2	187	637	161
	70v	3.4	133	454	115	2.3	129	441	111	1.3	142	484	122	1.2	177	604	152
	100v	3.4	134	458	115	2.3	127	434	109	1.3	141	481	121	1.2	175	599	151
1/3 Power Pink Noise Typical of program material at extreme clip	2 ohms	4.9	211	720	181	3.5	215	733	185	1.8	221	754	190	1.7	258	880	222
	4 ohms	7.7	245	836	211	5.3	239	815	205	2.8	239	814	205	2.4	262	894	225
	8 ohms	7.0	207	705	178	5.0	200	683	172	2.6	211	719	181	2.3	240	821	207
	70v	6.8	183	623	157	4.7	175	598	151	2.5	181	617	155	2.1	208	709	179
	100v	6.7	182	621	157	4.7	166	568	143	2.5	180	615	155	2.2	204	696	176

CDi DriveCore 4 300 / 4 300BL Bridged																	
Condition	Load	85 VAC / 60 Hz				120 VAC / 60 Hz				230 VAC / 50 Hz				277 VAC / 50 Hz			
		Line current (amps)	Power Dissipated as Heat			Line current (amps)	Power Dissipated as Heat			Line current (amps)	Power Dissipated as Heat			Line current (amps)	Power Dissipated as Heat		
			watts	BTU	kcal/hr		watts	BTU	kcal/hr		watts	BTU	kcal/hr		watts	BTU	kcal/hr
At Idle Awake	N/A	1.2	106	361	91	0.9	110	376	95	0.5	126	429	108	0.5	150	513	129
1/8 Power Pink Noise Typical of program material just at clip	2 ohms	2.4	128	438	110	1.9	146	497	125	1.0	156	534	135	1.0	193	659	166
	4 ohms	3.7	159	544	137	2.6	157	537	135	1.4	169	575	145	1.3	199	678	171
	8 ohms	3.5	146	497	125	2.4	139	474	120	1.3	149	508	128	1.2	183	625	157
	70v	3.4	132	451	114	2.4	132	449	113	1.3	143	488	123	1.2	177	604	152
	100v	3.4	132	451	114	2.3	129	441	111	1.3	143	487	123	1.2	178	609	153
1/3 Power Pink Noise Typical of program material at extreme clip	2 ohms	4.8	206	703	177	3.4	203	694	175	1.8	209	715	180	1.6	245	835	210
	4 ohms	7.7	251	858	216	5.3	232	791	199	2.8	232	793	200	2.4	265	905	228
	8 ohms	7.0	204	697	176	4.9	192	655	165	2.6	208	710	179	2.3	230	785	198
	70v	6.8	183	625	158	4.8	177	605	153	2.5	183	623	157	2.1	202	688	174
	100v	7.7	253	865	218	4.8	182	622	157	2.5	181	617	156	2.2	207	707	178

CDi DriveCore 2|600 / 2|600BL

Pink noise 12dB crest factor, bandwidth limited 22Hz to 22kHz.

Typical line impedance used.

Data based on all channels driven.

CDi DriveCore 2 600 / 2 600BL Unbridged																	
Condition	Load	85 VAC / 60 Hz				120 VAC / 60 Hz				230 VAC / 50 Hz				277 VAC / 50 Hz			
		Line current (amps)	Power Dissipated as Heat			Line current (amps)	Power Dissipated as Heat			Line current (amps)	Power Dissipated as Heat			Line current (amps)	Power Dissipated as Heat		
			watts	BTU	kcal/hr		watts	BTU	kcal/hr		watts	BTU	kcal/hr		watts	BTU	kcal/hr
At Idle Awake	N/A	0.8	66.48	226.91	57.20	0.6	69	235	59	0.4	91	312	79	0.5	126	429	108
1/8 Power Pink Noise Typical of program material just at clip	2 ohms	2.2	110	375	95	1.6	112	384	97	0.9	124	424	107	0.8	153	523	132
	4 ohms	3.2	123	420	106	2.2	119	406	102	1.2	130	443	112	1.2	166	567	143
	8 ohms	3.1	114	390	98	2.1	102	348	88	1.2	119	407	103	1.1	145	496	125
	70v	3.0	107	367	92	2.1	107	366	92	1.1	116	398	100	1.1	149	507	128
	100v	3.0	103	351	89	2.0	94	322	81	1.1	105	359	90	1.0	137	467	118
1/3 Power Pink Noise Typical of program material at extreme clip	2 ohms	4.3	174	595	150	3.2	179	610	154	1.6	178	608	153	1.4	206	704	177
	4 ohms	7.2	209	713	180	4.9	195	665	168	2.6	210	715	180	2.2	222	759	191
	8 ohms	6.6	169	576	145	4.6	164	559	141	2.5	176	600	151	2.2	200	682	172
	70v	6.5	168	574	145	4.5	149	509	128	2.4	171	582	147	2.0	174	594	150
	100v	6.4	150	512	129	4.7	182	622	157	2.3	153	521	131	2.1	178	609	154

CDi DriveCore 2 600 / 2 600BL Bridged																	
Condition	Load	85 VAC / 60 Hz				120 VAC / 60 Hz				230 VAC / 50 Hz				277 VAC / 50 Hz			
		Line current (amps)	Power Dissipated as Heat			Line current (amps)	Power Dissipated as Heat			Line current (amps)	Power Dissipated as Heat			Line current (amps)	Power Dissipated as Heat		
			watts	BTU	kcal/hr		watts	BTU	kcal/hr		watts	BTU	kcal/hr		watts	BTU	kcal/hr
At Idle Awake	N/A	0.8	66	226	57	0.6	69	235	59	0.4	91	311	78	0.5	126	430	108
1/8 Power Pink Noise Typical of program material just at clip	2 ohms	1.9	93	318	80	1.5	109	371	93	0.9	121	412	104	0.8	150	511	129
	4 ohms	3.2	120	411	104	2.3	118	404	102	1.2	126	431	109	1.1	161	550	139
	8 ohms	3.1	108	369	93	2.1	102	350	88	1.2	113	386	97	1.1	147	503	127
	70v	3.1	110	376	95	2.1	108	367	93	1.2	113	387	97	1.1	146	500	126
	100v	3.0	103	352	89	2.1	95	323	81	1.1	108	368	93	1.1	141	483	122
1/3 Power Pink Noise Typical of program material at extreme clip	2 ohms	4.4	168	575	145	3.1	162	552	139	1.7	178	609	153	1.5	201	687	173
	4 ohms	7.4	214	729	184	5.1	199	680	171	2.6	199	678	171	2.3	219	747	188
	8 ohms	6.5	170	580	146	4.7	168	573	144	2.5	171	583	147	2.2	210	716	181
	70v	6.6	166	565	142	4.7	162	553	139	2.4	167	571	144	2.1	192	657	166
	100v	6.4	151	514	130	4.5	147	502	126	2.4	153	521	131	2.0	178	608	153

CDi DriveCore 4|600 / 4|600BL

Pink noise 12dB crest factor, bandwidth limited 22Hz to 22kHz.

Typical line impedance used.

Data based on all channels driven.

CDi DriveCore 4 600 / 4 600BL Unbridged																	
Condition	Load	85 VAC / 60 Hz				120 VAC / 60 Hz				230 VAC / 50 Hz				277 VAC / 50 Hz			
		Line current (amps)	Power Dissipated as Heat			Line current (amps)	Power Dissipated as Heat			Line current (amps)	Power Dissipated as Heat			Line current (amps)	Power Dissipated as Heat		
			watts	BTU	kcal/hr		watts	BTU	kcal/hr		watts	BTU	kcal/hr		watts	BTU	kcal/hr
At Idle Awake	N/A	1.4	109	372	94	0.9	108	369	93	0.6	106	361	91	0.8	102	348	88
1/8 Power Pink Noise Typical of program material just at clip	2 ohms	5.1	217	740	187	4.2	225	770	194	2.3	213	726	183	2.1	213	729	184
	4 ohms	5.1	189	645	163	4.5	201	686	173	2.0	191	652	164	2.2	193	659	166
	8 ohms	3.8	162	553	139	4.3	178	609	153	2.3	164	560	141	2.1	166	568	143
	70v	4.6	155	530	134	4.1	176	601	152	2.3	174	593	149	2.1	170	580	146
	100v	4.3	145	494	124	4.1	172	588	148	2.2	144	493	124	2.0	150	511	129
1/3 Power Pink Noise Typical of program material at extreme clip	2 ohms	7.1	352	1200	303	8.2	363	1238	312	4.8	379	1294	326	3.8	324	1107	279
	4 ohms	10.3	310	1056	266	9.4	434	1483	374	4.5	330	1127	284	4.4	325	1109	280
	8 ohms	10.5	262	895	226	9.8	308	1053	265	5.0	273	933	235	4.2	264	900	227
	70v	10.2	257	876	221	9.5	310	1058	267	5.1	443	1512	381	4.2	281	959	242
	100v	7.0	187	638	161	5.0	178	609	154	2.7	169	578	146	4.1	235	803	202

CDi DriveCore 4 600 / 4 600BL Bridged																	
Condition	Load	85 VAC / 60 Hz				120 VAC / 60 Hz				230 VAC / 50 Hz				277 VAC / 50 Hz			
		Line current (amps)	Power Dissipated as Heat			Line current (amps)	Power Dissipated as Heat			Line current (amps)	Power Dissipated as Heat			Line current (amps)	Power Dissipated as Heat		
			watts	BTU	kcal/hr		watts	BTU	kcal/hr		watts	BTU	kcal/hr		watts	BTU	kcal/hr
At Idle Awake	N/A	109.0	109	372	94	108.0	108	368	93	108.2	108	369	93	93.4	93	319	80
1/8 Power Pink Noise Typical of program material just at clip	2 ohms	5.0	216	737	186	4.1	225	767	193	2.2	205	699	176	2.0	217	740	187
	4 ohms	5.1	186	636	160	4.4	206	703	177	2.3	196	669	169	2.1	194	664	167
	8 ohms	4.8	165	563	142	4.1	173	589	149	2.3	181	617	155	2.0	173	591	149
	70v	4.7	166	567	143	4.1	185	631	159	2.3	174	593	150	2.0	174	594	150
	100v	4.7	152	518	131	4.0	162	551	139	2.1	154	527	133	2.1	169	576	145
1/3 Power Pink Noise Typical of program material at extreme clip	2 ohms	10.5	363	1239	312	8.6	399	1362	343	4.3	338	1154	291	4.0	368	1255	316
	4 ohms	10.9	313	1067	269	9.7	386	1318	332	4.9	329	1122	283	4.3	312	1065	269
	8 ohms	10.4	272	929	234	8.8	299	1022	258	5.0	277	945	238	4.1	299	1021	257
	70v	10.5	264	901	227	9.0	325	1109	280	4.9	291	993	250	4.0	285	972	245
	100v	10.1	239	816	206	8.8	277	945	238	4.7	238	814	205	4.2	280	954	241

CDi DriveCore 2|1200 / 2|1200BL

Pink noise 12dB crest factor, bandwidth limited 22Hz to 22kHz.

Typical line impedance used.

Data based on all channels driven.

CDi DriveCore 2 1200 / 2 1200BL Unbridged																	
Condition	Load	85 VAC / 60 Hz				120 VAC / 60 Hz				230 VAC / 50 Hz				277 VAC / 50 Hz			
		Line current (amps)	Power Dissipated as Heat			Line current (amps)	Power Dissipated as Heat			Line current (amps)	Power Dissipated as Heat			Line current (amps)	Power Dissipated as Heat		
			watts	BTU	kcal/hr		watts	BTU	kcal/hr		watts	BTU	kcal/hr		watts	BTU	kcal/hr
At Idle Awake	N/A	0.8	68	233	59	0.6	68	231	58	Power In	65	222	56	0.6	64	218	55
1/8 Power Pink Noise Typical of program material just at clip	2 ohms	4.3	154	524	132	3.7	167	570	144	406.2	149	509	128	1.9	164	559	141
	4 ohms	4.4	129	442	111	4.0	145	493	124	432.0	135	460	116	2.0	144	491	124
	8 ohms	4.2	113	384	97	7.2	110	376	95	442.5	120	411	104	1.9	116	395	100
	70v	4.0	120	409	103	3.8	145	494	125	435.2	139	475	120	1.8	136	464	117
	100v	3.7	114	389	98	3.6	130	442	112	417.8	117	398	100	1.8	124	424	107
1/3 Power Pink Noise Typical of program material at extreme clip	2 ohms	8.7	250	852	215	5.4	204	696	175	860.0	266	909	229	3.9	289	988	249
	4 ohms	10.3	233	796	201	9.1	257	876	221	1009.0	244	833	210	4.0	240	818	206
	8 ohms	9.4	194	663	167	8.1	209	712	179	1006.0	196	668	168	4.0	195	664	167
	70v	8.7	187	639	161	8.2	265	903	228	1041.0	313	1068	269	4.0	251	858	216
	100v	9.6	188	642	162	9.1	250	852	215	930.0	205	701	177	3.6	205	699	176

CDi DriveCore 2 1200 / 2 1200BL Bridged																	
Condition	Load	85 VAC / 60 Hz				120 VAC / 60 Hz				230 VAC / 50 Hz				277 VAC / 50 Hz			
		Line current (amps)	Power Dissipated as Heat			Line current (amps)	Power Dissipated as Heat			Line current (amps)	Power Dissipated as Heat			Line current (amps)	Power Dissipated as Heat		
			watts	BTU	kcal/hr		watts	BTU	kcal/hr		watts	BTU	kcal/hr		watts	BTU	kcal/hr
At Idle Awake	N/A	68.0	68	232	59	67.8	68	231	58	65.1	65	222	56	364.6	365	1244	314
1/8 Power Pink Noise Typical of program material just at clip	2 ohms	4.4	159	542	137	3.7	178	609	153	2.0	162	554	140	1.8	160	546	138
	4 ohms	4.4	133	454	115	4.0	162	552	139	2.1	145	496	125	2.0	143	488	123
	8 ohms	4.2	120	409	103	3.8	130	443	112	2.0	124	423	107	1.9	129	439	111
	70v	4.0	122	418	105	3.9	155	530	134	2.0	140	478	120	1.8	139	473	119
	100v	4.0	113	387	98	3.5	132	450	113	2.1	138	472	119	1.9	135	462	116
1/3 Power Pink Noise Typical of program material at extreme clip	2 ohms	8.9	274	935	236	7.8	341	1163	293	4.1	292	998	252	3.5	294	1002	253
	4 ohms	10.5	264	902	227	8.8	285	971	245	4.5	236	805	203	4.0	286	978	246
	8 ohms	9.6	206	705	178	8.7	235	801	202	4.7	213	728	183	3.9	212	722	182
	70v	9.7	221	756	191	8.9	303	1033	260	4.6	269	918	231	3.9	238	811	205
	100v	9.2	192	656	165	8.8	243	829	209	4.9	257	879	222	4.1	255	871	219

CDi DriveCore 4|1200 / 4|1200BL

Pink noise 12dB crest factor, bandwidth limited 22Hz to 22kHz.

Typical line impedance used.

Data based on all channels driven.

CDi DriveCore 4 1200 / 4 1200BL Unbridged																	
Condition	Load	85 VAC / 60 Hz				120 VAC / 60 Hz				230 VAC / 50 Hz				277 VAC / 50 Hz			
		Line current (amps)	Power Dissipated as Heat			Line current (amps)	Power Dissipated as Heat			Line current (amps)	Power Dissipated as Heat			Line current (amps)	Power Dissipated as Heat		
			watts	BTU	kcal/hr		watts	BTU	kcal/hr		watts	BTU	kcal/hr		watts	BTU	kcal/hr
At Idle Awake	N/A	1.4	110	376	95	0.4	37	126	32	0.6	105	358	90	0.9	102	347	88
1/8 Power Pink Noise Typical of program material just at clip	2 ohms	7.9	271	924	233	6.8	293	1002	253	3.5	278	949	239	3.5	306	1046	264
	4 ohms	8.5	261	891	225	7.6	262	896	226	4.1	257	878	221	3.8	261	890	224
	8 ohms	8.1	217	742	187	7.0	219	748	188	3.8	214	730	184	3.5	198	677	171
	70v	7.6	214	730	184	7.2	256	873	220	4.0	259	885	223	3.6	264	901	227
	100v	2.9	192	654	165	7.2	213	726	183	3.6	212	723	182	3.6	208	710	179
1/3 Power Pink Noise Typical of program material at extreme clip	2 ohms	17.7	562	1920	484	17.0	679	2316	584	7.8	538	1836	463	7.1	518	1767	445
	4 ohms	19.0	432	1474	372	17.2	516	1761	444	2.5	470	1603	404	8.0	494	1684	425
	8 ohms	18.4	376	1283	323	17.4	404	1378	347	8.7	400	1367	345	7.6	360	1229	310
	70v	19.2	466	1590	401	15.0	460	1568	395	9.2	546	1865	470	7.7	469	1602	404
	100v	6.0	299	1021	257	17.7	392	1337	337	8.8	398	1358	342	7.2	325	1109	280