Touring Amplifiers

Main specifications

		M14D	M20D	M30D	M28Q	M50Q	K2	K3	K6	K8	K10	K20
Rack Units		1	1	1	1	1	1	1	1	1	1	1
Number of channels		2	2	2	4	4	2	2	2	2	2	2
Peak power per channel												
Single channel mode	8 Ω	360 W	600 W	900 W	360 W	750 W	1000 W	1400 W	1300 W	1500 W	2000 W	2700 W
	4 Ω	700 W	1200 W	1500 W	700 W	1250 W	1950 W	2600 W	2500 W	3000 W	4000 W	5200 W
	2 Ω	-	-	-	-	-	2400 W	2800 W	3600 W	4800 W	6000 W	9000 W
Distributed line[1]	70 V	-	1200 W	1200 W	-	1000 W	-	-	-	-	-	-
	100 V	-	-	1500 W	-	1250 W	-	-	-	-	-	-
Bridge Mode	8 Ω	1400 W	2400 W	3000 W	1400 W	2500 W	3900 W	5200 W	5000 W	6000 W	8000 W	10400 W
	4 Ω	-	-	-	-	-	4800 W	5600 W	7200 W	9600 W	12000 W	18000 W
Max output voltage per channel		85 V_{peak}	116 V_{peak}	135 V_{peak}	85 V_{peak}	135 V_{peak}	140 V_{peak}	165 V_{peak}	153 V_{peak}	169 V_{peak}	200 V_{peak}	225 V_{peak}
Max output current per channel		65 A_{peak}	65 A_{peak}	65 A_{peak}	60 A_{peak}	65 A_{peak}	102 A_{peak}	102 A_{peak}	125 A_{peak}	125 A_{peak}	125 A_{peak}	125 A_{peak}
Current draw[2] ampere (A) @ 230 V_{AC}	Idle mode	0,3	0,3	0,3	0,51	0,51	1,3	1,3	1,03	1,03	1,03	1,17
	1/8 max power, 4 Ω	1,9	2,54	3,54	3,74	5,8	3,1	4	4,1	4,8	6,1	7,9
	1/4 max power, 4 Ω	3,5	4,5	6,52	6,52	11,1	5,7	7,4	7,4	8,7	11,3	14,7
Power draw[2] watt (W) @ 230 V_{AC}	Idle mode	39	35	37	62	64	75	75	84	84	84	88
	1/8 max power, 4 Ω	283	371	530	580	905	609	813	781	938	1250	1625
	1/4 max power, 4 Ω	538	701	1024	1066	1772	1219	1625	1563	1875	2500	3250
Thermal dissipation[2] (BTU/h)	Idle mode	133	126	126	212	218	382	382	546	546	546	682
	1/8 max power, 4 Ω	368	413	529	785	955	722	836	982	1069	1244	1590
	1/4 max power, 4 Ω	641	935	935	1249	1781	1062	1390	1419	1593	1943	2498

	M14D HDSP+ETH	M20D HDSP+ETH	M30D HDSP+ETH	M28Q HDSP+ETH	M50Q HDSP+ETH	K2 DSP+AESOP	K3 DSP+AESOP	K6 DSP+AESOP	K8 DSP+AESOP	K10 DSP+AESOP	K20 DSP+AESOP
DSP Architecture	Analog Devices ADAU 1701® DSP					Analog Devices SHARC® DSP					
DSP Precision	Fixed point					40 bit floating point					
A/D Converter	24 bit @ 48 kHz Cirrus Logic CS 5381, 120 dB S/N					Dual 24bit @ 96 kHz Tandem® architecture, 127 dB dynamic range					
D/A Converter	24 bit @ 48 kHz Cirrus Logic CS 4398, 120 dB S/N					Dual 24bit @ 96 kHz Tandem® architecture, 122 dB dynamic range					
AES Input	No					Yes					
Input EQ	5 filters: IIR parametric, shelving, band pass, band stop, all pass					Three layers, up to 32 filters each (parametric, rised cosine, shelving) + group filters					
Output EQ	10 filters: IIR parametric, shelving, band pass, band stop, all pass					16 fully parametric filters per channel, IIR and custom FIR					
Delay	up to 40 ms					up to 4 s					

1. Require either DSP preset or external high-pass filter and voltage limiter according to the model/version.
2. Current draw, power consumption and thermal loss measured at 1/8 or 1/4 of full power on 4 Ω load with pink noise, all channel driven and 230V_{AC} mains.

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