

Installations Amplifiers

Main specifications



		M14D	M20D	M30D	M28Q	M50Q	DUECANALI 3904	DUECANALI 5204	OTTOCANALI 1204	OTTOCANALI 4K4	OTTOCANALI 8K4	OTTOCANALI 12K4
Rack Units		1	1	1	1	1	1	1	1	1	1	1
Number of channels		2	2	2	4	4	2	2	8	8	8	8
Peak power per channel												
Single channel mode	8 Ω	360 W	600 W	900 W	360 W	750 W	1000 W	1400 W	80 W	250 W	600 W	850 W
	4 Ω	700 W	1200 W	1500 W	700 W	1250 W	1950 W	2600 W	150 W	500 W	1000 W	1500 W
	2 Ω	-	-	-	-	-	2400 W	2800 W	-	450 W	850 W	1000 W
Distributed line ¹	70 V	-	1200 W	1200 W	-	1000 W	1800 W	1800 W	125 W	500 W	1000 W	1500 W
	100 V	-	-	1500 W	-	1250 W	2400 W	2400 W	130 W	500 W	1000 W	1500 W
Bridge Mode	8 Ω	1400 W	2400 W	3000 W	1400 W	2500 W	3900 W	5200 W	300 W	1000 W	2000 W	3000 W
	4 Ω	-	-	-	-	-	4800 W	5600 W	150 W	500 W	1000 W	1500 W
Max output voltage per channel (Lo-Z)		85 V _{peak}	116 V _{peak}	135 V _{peak}	85 V _{peak}	135 V _{peak}	140 V _{peak}	165 V _{peak}	38 V _{peak}	65 V _{peak}	90 V _{peak}	150 V _{peak}
Max output current per channel (Lo-Z)		65 A _{peak}	65 A _{peak}	65 A _{peak}	60 A _{peak}	65 A _{peak}	102 A _{peak}	102 A _{peak}	15 A _{peak}	15 A _{peak}	23 A _{peak}	54 A _{peak}
Current draw ² ampere (A) @ 230 V _{AC}	Idle mode	0,3	0,3	0,3	0,51	0,51	1,35	1,35	0,34	0,8	0,8	0,8
	1/8 max power, 4 Ω	1,9	2,54	3,54	3,74	5,8	3,1	4	1,24	3,9	6,6	9,7
	1/4 max power, 4 Ω	3,5	4,5	6,52	6,52	11,1	5,7	7,4	2,1	6,9	12,3	18,6
Power draw ² watt (W) @ 230 V _{AC}	Idle mode	39	35	37	62	64	88	88	14,6	35	35	35
	1/8 max power, 4 Ω	283	371	530	580	905	609	813	223	752	1422	2115
	1/4 max power, 4 Ω	538	701	1024	1066	1772	1219	1625	413	1405	2760	4230
Thermal dissipation ² (BTU/h)	Idle mode	133	126	126	212	218	382	382	53,2	118	118	118
	1/8 max power, 4 Ω	368	413	529	785	955	722	836	252	839	1504	2141
	1/4 max power, 4 Ω	641	935	935	1249	1781	1062	1390	389	1340	2793	4283
		M14D HDSP+ETH	M20D HDSP+ETH	M30D HDSP+ETH	M28Q HDSP+ETH	M50Q HDSP+ETH	DUECANALI 3904 DSP+AESOP	DUECANALI 5204 DSP+AESOP	OTTOCANALI 1204 DSP+ETH	OTTOCANALI 4K4 AVB+ETH	OTTOCANALI 8K4 AVB+ETH	OTTOCANALI 12K4 AVB+ETH
DSP Architecture		Analog Devices ADAU 1701® DSP					Analog Devices SHARC® DSP		ADAU 1702®	current development		
DSP Precision		Fixed point					40 bit floating point		Fixed point			
A/D Converter		24 bit @ 48 kHz Cirrus Logic CS 5381, 120 dB S/N					Dual 24bit @ 96 kHz Tandem®		24 bit @ 48 kHz			
D/A Converter		24 bit @ 48 kHz Cirrus Logic CS 4398, 120 dB S/N					Dual 24bit @ 96 kHz Tandem®		24 bit @ 48 kHz			
AES Input		No					Yes		No	current development		
Input EQ		5 filters: IIR parametric, shelving, band pass, band stop, all pass					3 layers, up to 32 filters each		5 fully param.			
Output EQ		10 filters: IIR parametric, shelving, band pass, band stop, all pass					16 full param. IIR + custom FIR		8 fully param.			
Delay		up to 40 ms					up to 4 s		up to 16 ms			

1. M Series amplifiers 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.