Datatable

BITTNER AUDIO

			Basic			XB			XR			
			400	800	1200	800	1600	2500	1500	2000	2500	4000
Channels			2	2	2	2	2	2	2	2	2	2
Class			AB	AB	AB	AB	H	H	H	H	H	H
Burst per Channel 1 kHz	W	8 Ω	180	290	500	350	570	700	530	590	700	850
		4 Ω	250	490	840	530	960	1130	880	985	1130	1360
		2 Ω	---	---	---	---	1250	1570	1220	1340	1570	1950
Output Power per Chan. 20 Hz - 20 kHz 0.1% THD	W	8 Ω	125	230	380	270	460	570	420	460	570	720
		4 Ω	170	330	610	410	760	930	680	730	920	1130
		2 Ω	---	---	---	---	1020	1200	940	1030	1170	1700
Output Power per Chan. 1 kHz / 1% THD	W	8 Ω	130	240	400	290	490	620	440	490	610	780
		4 Ω	180	350	650	430	820	1020	740	790	1000	1230
		2 Ω	---	---	---	---	1120	1310	1020	1130	1290	1810
Output Power bridged 20 Hz - 20 kHz 0.1% THD	W	16 Ω	250	460	760	540	890	1120	840	920	1040	1440
		8 Ω	340	660	1220	800	1500	1850	1360	1460	1840	2220
		4 Ω	---	---	---	---	2000	2400	1880	2060	2340	3300
Frequency Response Full Power	dB	20 Hz	0	0	0	0	0	0	0	0	0	0
		20 kHz	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.5	-0.5	-0.5	-0.5
THD 20 Hz - 20 kHz 10 dB below Full Power	%	<	0.05	0.06	0.02	0.03	0.01	0.01	0.02	0.02	0.02	0.03
THD 1 kHz Full Power	%	<	0.06	0.08	0.05	0.05	0.03	0.03	0.03	0.03	0.03	0.04
Signal-to-Noise Ratio 20 Hz - 20 kHz	dB	>	103	103	103	105	103	103	103	103	103	103
Channel Separation	dB	>	85	85	85	85	80	80	80	80	80	80
Input Sensitivity	dBu		0	+3	+6	+3	+6	+6	+6	+6	+6	+6
Input Clipping	dBu		22	22	22	22	22	22	14	14	14	14
Input Impedance	kΩ		20	20	20	20	20	20	12	12	12	12
Voltage Gain	dB		31.4	34.1	36.4	34.2	30.5	30.5	30.5	30.5	30.5	30.5
Damping Factor		4 Ω	400	400	500	500	750	900	750	900	900	1200
Cooling Fans (temperature controlled)		front	0	0	0	0	0	0	2	2	2	2
		back	2	2	2	2	2	2	2	2	2	2
Idle Current	A		0.1	0.2	0.2	0.2	0.4	0.4	0.5	0.5	0.5	0.5
Power Consumption 1/8 Load (Speech)	A	8 Ω	1.1	1.8	2.8	2.0	2.5	3.0	2.1	2.5	3.0	3.3
		4 Ω	1.6	2.8	4.5	3.2	4.0	4.7	3.3	4.0	4.8	5.2
		2 Ω	---	---	---	---	6.0	6.7	5.1	6.1	7.0	7.8
Power Consumption 1/3 Load (compressed Music)	A	8 Ω	1.6	2.7	4.2	2.9	4.9	6.0	4.5	4.9	5.9	7.7
		4 Ω	2.4	4.1	7.0	4.7	7.9	9.1	7.3	7.9	9.3	12.3
		2 Ω	---	---	---	---	10.5	12.6	10.1	10.7	11.2	16.7
Power Consumption Full Power	A	8 Ω	2.5	4.2	6.8	5.0	9.0	10.7	8.2	8.8	10.7	13.5
		4 Ω	3.7	5.6	11.0	7.7	15.1	17.4	13.7	14.6	17.5	22.2
		2 Ω	---	---	---	---	23.0	27.2	21.3	23.0	27.6	>30
Heat Dissipation (Idle)	W*		17	22	22	20	40	40	55	55	55	55
Heat Dissipation 1/8 Load (Speech)	W*	8 Ω	160	255	365	260	210	300	170	220	270	280
		4 Ω	245	425	660	450	380	470	290	375	460	500
		2 Ω	---	---	---	---	630	730	490	640	730	830
Heat Dissipation 1/3 Load (compressed Music)	W*	8 Ω	210	330	400	340	400	450	410	420	480	700
		4 Ω	340	600	770	610	690	790	690	700	825	1200
		2 Ω	---	---	---	---	1000	1160	930	940	950	1700
Heat Dissipation Full Power	W*	8 Ω	230	340	420	340	440	490	420	440	520	680
		4 Ω	410	640	800	650	790	1000	750	780	950	1290
		2 Ω	---	---	---	---	1620	2000	1490	1600	2040	---
DSP			no			no			yes			
SXL Dataport			no			no			I²C and RS485			
Remote Power On			no			yes			yes			
Alive Contacts			no			1			1			
Backup Power		24 VDC	no			no			no			
Height	RU		2	2	2	2	2	2	2	2	2	2
Depth	mm		320	320	454	382	454	454	454	454	454	454
Weight (net)	kg		12	13	15	13	13	13.5.	14	14	14	16
Power Requirements	V		210-240			210-240			210-240			
	Hz		50-60			50-60			50-60			

* 1 Watt = 3.412 BTU/Std. = 3600 Joule/Std.

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BITTNER AUDIO

			4Xi / 4Xe		8X	
			1200	2000	200	400
Channels			4	4	8	8
Class			H	H	AB	AB
Burst per Channel 1 kHz	W	8 Ω	630	820	180	270
		4 Ω	1000	1300	250	490
		2 Ω	1400	2000	---	---
Output Power per Chan. 20 Hz - 20 kHz 0.1% THD	W	8 Ω	540	700	120	190
		4 Ω	890	1160	180	330
		2 Ω	1150	1650	---	---
Output Power per Chan. 1 kHz / 1% THD	W	8 Ω	600	770	130	200
		4 Ω	980	1280	200	350
		2 Ω	1260	1820	---	---
Output Power bridged 20 Hz - 20 kHz 0.1% THD	W	16 Ω	1030	1350	260	360
		8 Ω	1710	2160	320	460
		4 Ω	2270	3140	---	---
Frequency Response Full Power	dB	20 Hz	0	0	0	0
		20 kHz	-0.5	-0.5	-0.3	-0.3
THD 20 Hz - 20 kHz 10 dB below Full Power	%	<	0.02	0.02	0.03	0.03
THD 1 kHz Full Power	%	<	0.03	0.03	0.04	0.04
Signal-to-Noise Ratio 20 Hz - 20 kHz	dB	>	100	100	103	103
Channel Separation	dB	>	75	75	85	85
Input Sensitivity	dBu		+4	+4	0	+2
Input Clipping	dBu		20	20	22	22
Input Impedance	kΩ		20	20	20	20
Voltage Gain	dB		30.5	30.5	31.4	34.1
Damping Factor		4 Ω	700	700	400	400
Cooling Fans (temperature controlled)		front	2	2	2	2
		back	2	2	2	2
Idle Current	A		0.7	0.7	0.3	0.3
Power Consumption 1/8 Load (Speech)	A	8 Ω	5.5	6.0	4.4	7.0
		4 Ω	8.5	9.0	6.4	11.0
		2 Ω	11.0	12.0	---	---
Power Consumption 1/3 Load (compressed Music)	A	8 Ω	11.0	14.0	6.5	10.2
		4 Ω	17.5	23.0	9.5	16.3
		2 Ω	21.5	26.5	---	---
Power Consumption Full Power	A	8 Ω	19.0	23.0	9.5	14.7
		4 Ω	>30	>30	13.9	21.1
		2 Ω	>30	>30	---	---
Heat Dissipation (Idle)	W*		80	80	58	74
Heat Dissipation 1/8 Load (Speech)	W*	8 Ω	460	500	630	1060
		4 Ω	800	850	1010	1700
		2 Ω	1200	1300	---	---
Heat Dissipation 1/3 Load (compressed Music)	W*	8 Ω	950	1300	810	1300
		4 Ω	1650	2300	1350	2200
		2 Ω	1900	2750	---	---
Heat Dissipation Full Power	W*	8 Ω	1000	1350	850	1390
		4 Ω	---	---	1480	2320
		2 Ω	---	---	---	---
DSP			no		no	
SXL Dataport			RS485		I2C	
Remote Power On			yes		yes	
Alive Contacts			2		4	
Backup Power		24 VDC	no		no	
Height	RU		2	2	2	2
Depth	mm		454	454	454	454
Weight (net)	kg		15	16	20	22
Power Requirements	V		210-240		210-240	
	Hz		50-60		50-60	

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Datatable

BITTNER AUDIO

			XV					XV DC	4DXV	
			200	400	600	1000	1600	1000	250	500
Channels			2	2	2	2	2	2	4	4
Class			AB	AB	AB	AB	AB	H	D	D
Output Power per Chan.	W	100 V	100	200	300	500	800	500	250	500
Frequency Response 100V	dB	20 Hz	0	0	0	0	0	0	0	0
		20 kHz	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3
THD 1 kHz Full Power	%	<	0.07	0.06	0.06	0.06	0.07	0.03	0.03	0.03
Signal-to-Noise Ratio 20 Hz - 20 kHz	dB	>	101	103	103	105	107	101	100	100
Channel Separation	dB	>	75	75	75	70	70	65	96	92
Input Sensitivity	dBu		-1	0	+2	+3	+6	+6	0	0
Input Clipping	dBu		22	22	22	22	22	22	21	21
Input Impedance	kΩ		20	20	20	20	20	20	12	12
Voltage Gain	dB		42	42	42	42	42	42	42	42
Cooling Fans (temperature controlled)		front	0	0	0	0	0	1	3	3
		back	2	2	2	2	3	2	1	1
Idle Current	A	230 VAC	0.1	0.1	0.1	0.1	0.1	0.2	0.5	0.5
		24 VDC	---	---	---	---	---	1.7	2.9	3.0
Power Consumption 1/8 Load (Speech)	A	100 V	1.1	1.9	3.1	3.9	5.9	3.0	1.8	2.8
		24 VDC	---	---	---	---	---	19.1	11.8	18.6
Power Consumption 1/3 Load (compr. Music)	A	100 V	1.6	2.8	4.7	5.8	9.0	4.7	3.3	6.0
		24 VDC	---	---	---	---	---	39.0	22.8	41.6
Power Consumption Full Power	A	100 V	2.5	4.5	7.4	9.3	14.1	12.4	7.9	15.5
		24 VDC	---	---	---	---	---	84.0	49.7	78.6
Heat Dissipation (Idle)	W*		13	16	18	19	19	25	73	76
Heat Dissipation 1/8 Load (Speech)	W*	100 V	175	285	500	640	990	365	170	215
Heat Dissipation 1/3 Load (compr. Music)	W*	100 V	240	390	670	820	1430	430	220	330
Heat Dissipation Full Power	W*	100 V	310	450	780	970	1780	1070	300	580
DSP			no					no	no	
SXL Dataport			no					no	no	
Remote Power On			yes					yes	yes	
Alive Contacts			1					1	2	
Backup Power		24 VDC	no					yes	yes	
Height	RU		2	2	2	2	2	2	2	2
Depth	mm		454	454	454	454	454	454	454	454
Weight (net)	kg		19	20	18	20	22	18	14	14
Power Requirements	V		210-240					210-240	210-240	
	Hz		50-60					50-60	50-60	

* 1 Watt = 3.412 BTU/Std. = 3600 Joule/Std.

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