

		Basic				XB				XV					
		200	400	800	1200	400	800	1600	2500	200	400	600	1000	1600	
Channels		2	2	2	2	2	2	2	2	2	2	2	2	2	
Class		AB	AB	AB	AB	AB	AB	H	H	AB	AB	AB	AB	AB	
Burst per Channel 1 kHz	W	8 Ω	100	180	290	500	210	300	550	700	---	---	---	---	---
		4 Ω	130	250	490	840	250	490	960	1130	---	---	---	---	---
		2 Ω	---	---	---	---	---	---	1250	1570	---	---	---	---	---
Output Power per Chan. 20 Hz - 20 kHz 0.1% THD	W	8 Ω	80	140	230	350	150	230	450	560	---	---	---	---	---
		4 Ω	100	200	400	600	200	400	780	920	---	---	---	---	---
		2 Ω	---	---	---	---	---	---	1050	1320	---	---	---	---	---
		100 V	---	---	---	---	---	---	---	---	100	200	300	500	800
Output Power per Chan. 1 kHz, 1% THD	W	8 Ω	87	150	244	424	180	250	460	580	---	---	---	---	---
		4 Ω	110	210	410	702	210	410	800	940	---	---	---	---	---
		2 Ω	---	---	---	---	---	---	1040	1310	---	---	---	---	---
Output Power bridged 20 Hz - 20 kHz 0.1% THD	W	16 Ω	160	278	484	700	300	460	890	1120	---	---	---	---	---
		8 Ω	210	370	700	1200	400	800	1500	1850	---	---	---	---	---
		4 Ω	---	---	---	---	---	---	2080	2600	---	---	---	---	---
Frequency Response Full Power	dB	20 Hz	0	0	0	0	0	0	0	0	0	0	0	0	0
		20 kHz	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-3.0	-3.0	-3.0	-3.0	-3.0
THD 20 Hz - 20 kHz 10 dB below Full Power	%	<	0.03	0.02	0.02	0.01	0.01	0.01	0.03	0.03	0.06	0.05	0.05	0.05	0.05
THD 1 kHz Full Power	%	<	0.03	0.03	0.03	0.03	0.025	0.025	0.03	0.03	0.08	0.08	0.07	0.07	0.07
Signal-to-Noise Ratio 20 Hz - 20 kHz	dB	>	102	103	103	103	103	105	103	103	101	103	103	105	107
Channel Separation	dB	>	85	85	85	85	85	85	80	80	75	75	75	70	70
Input Sensitivity	dBu		-1	0	+3	+6	+2	+3	+6	+6	-1	0	+2	+3	+6
Input Clipping	dBu		22	22	22	22	22	22	22	22	22	22	22	22	22
Input Impedance	kΩ		20	20	20	20	20	20	20	20	20	20	20	20	20
Voltage Gain	dB		28.8	31.4	34.1	36.4	32.4	34.2	30.5	30.5	42.3	42.3	42.3	42.3	42.3
Damping Factor		4 Ω	400	400	400	500	500	500	750	900	---	---	---	---	---
Cooling Fans (temperature controlled)	front		0	0	0	0	0	0	0	0	0	0	0	0	0
	back		2	2	2	2	2	2	2	2	2	2	2	2	3
Idle Current	A		0.1	0.12	0.17	0.37	0.13	0.18	0.5	0.5	0.12	0.13	0.2	0.25	0.27
Power Consumption 1/8 Load (Speech)	A	8 Ω	0.3	0.5	0.8	1.2	0.6	0.9	2.3	2.8	---	---	---	---	---
		4 Ω	0.4	0.7	1.1	1.9	0.9	1.1	3.9	4.7	---	---	---	---	---
		2 Ω	---	---	---	---	---	---	6.4	7.5	---	---	---	---	---
		100 V	---	---	---	---	---	---	---	---	1.6	2.0	2.3	3.8	4.8
Power Consumption 1/3 Load (compressed Music)	A	8 Ω	0.6	1.0	1.6	2.7	1.2	1.6	4.6	5.5	---	---	---	---	---
		4 Ω	0.9	1.4	2.6	4.2	1.9	2.7	7.0	8.3	---	---	---	---	---
		2 Ω	---	---	---	---	---	---	9.8	11.5	---	---	---	---	---
		100 V	---	---	---	---	---	---	---	---	2.4	3.2	3.6	5.9	7.4
Power Consumption Full Power	A	8 Ω	1.5	2.3	3.9	6.7	2.8	4.0	8.5	10.2	---	---	---	---	---
		4 Ω	2.2	3.5	6.2	10.9	4.5	6.2	14.3	17.1	---	---	---	---	---
		2 Ω	---	---	---	---	---	---	22.8	26.6	---	---	---	---	---
		100 V	---	---	---	---	---	---	---	---	4.1	5.2	6.1	9.9	13.5
Heat Dissipation (Idle)	W*		11	14	20	31	15	21	21	14	15	23	29	31	
Heat Dissipation 1/8 Load (Speech)	W*	8 Ω	34	57	92	138	69	103	187	218	---	---	---	---	---
		4 Ω	46	80	126	218	103	126	304	382	---	---	---	---	---
		2 Ω	---	---	---	---	---	---	674	737	---	---	---	---	---
		100 V	---	---	---	---	---	---	---	---	184	230	264	437	552
Heat Dissipation 1/3 Load (compressed Music)	W*	8 Ω	69	115	184	310	138	184	527	604	---	---	---	---	---
		4 Ω	103	161	299	483	218	310	690	823	---	---	---	---	---
		2 Ω	---	---	---	---	---	---	1015	1111	---	---	---	---	---
		100 V	---	---	---	---	---	---	---	---	276	368	414	678	851
Heat Dissipation Full Power	W*	8 Ω	172	264	448	770	322	460	1055	1226	---	---	---	---	---
		4 Ω	253	402	713	1253	517	713	1729	2093	---	---	---	---	---
		2 Ω	---	---	---	---	---	---	3144	3518	---	---	---	---	---
		100 V	---	---	---	---	---	---	---	---	471	598	701	1138	1552
DSP			no				no				no				
SXL Dataport			no				no				no				
Remote Power On			no				yes				yes				
Alive Contact			no				yes				yes				
Backup Power		24 V	no				no				no				
Height	RU		2	2	2	2	2	2	2	2	2	2	2	2	
Depth	mm		320	320	320	454	382	382	454	454	382	382	382	382	382
Weight (net)	kg		10	12	13	15	12	13	13	13.5	15	17	19	33	38
Power Requirements	V		210-240				210-240				210-240				
	Hz		50-60				50-60				50-60				

* 1 Watt = 3.412 BTU/Hour = 3600 Joule/Hour

		XV-DC		XR				4X		4XDUAL		8X			
		500	1000	1500	2000	2500	4000	700	1400	400	600	100	200	400	
Channels		2	2	2	2	2	2	4	4	4	4	8	8	8	
Class		H	H	H	H	H	H	H	H	AB	AB	AB	AB	AB	
Burst per Channel 1 kHz	W	8 Ω	---	---	530	590	700	850	520	840	300	410	100	180	290
		4 Ω	---	---	880	985	1130	1360	880	1240	450	630	130	250	490
		2 Ω	---	---	1220	1345	1570	1950	1200	1500	---	---	---	---	---
Output Power per Chan. 20 Hz - 20 kHz 0.1% THD	W	8 Ω	---	---	430	470	560	700	420	680	230	310	80	140	230
		4 Ω	---	---	720	800	920	1120	710	1020	310	410	100	200	400
		2 Ω	---	---	1000	1100	1300	1600	980	1210	---	---	---	---	---
		100 V	250	500	---	---	---	---	---	---	---	---	---	---	---
Output Power per Chan. 1 kHz, 1% THD	W	8 Ω	---	---	440	490	580	710	435	695	240	320	87	150	240
		4 Ω	---	---	730	820	940	1130	730	1030	320	420	110	210	410
		2 Ω	---	---	1020	1120	1310	1620	1000	1250	---	---	---	---	---
Output Power bridged 20 Hz - 20 kHz 0.1% THD	W	16 Ω	---	---	850	950	1120	1390	820	1250	460	620	160	300	460
		8 Ω	---	---	1450	1620	1850	2250	1350	2080	620	820	200	400	800
		4 Ω	---	---	2010	2210	2600	2950	1860	2400	---	---	---	---	---
Frequency Response Full Power	dB	20 Hz	0	0	0	0	0	0	0	0	0	0	0	0	0
		20 kHz	-3.0	-3.0	-0.5	-0.5	-0.5	-0.5	-0.3	-0.3	-0.2	-0.2	-3.0	-3.0	-3.0
THD 20 Hz - 20 kHz 10 dB unter Vollast	%	<	0.03	0.03	0.025	0.025	0.025	0.025	0.03	0.03	0.02	0.02	0.02	0.02	0.02
THD 1 kHz Full Power	%	<	0.05	0.05	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.025	0.025
Signal-to-Noise Ratio 20 Hz - 20 kHz	dB	>	101	101	103	103	103	103	103	103	103	103	101	103	103
Channel Separation	dB	>	65	65	80	80	80	80	80	80	80	80	85	85	85
Input Sensitivity	dBu		+6	+6	+6	+6	+6	+6	+6	+6	+3.4	+4.6	-1	0	+2
Input Clipping	dBu		22	22	14	14	14	14	22	22	21	21	22	22	22
Input Impedance	kΩ		20	20	12	12	12	12	20	20	20	20	20	20	20
Voltage Gain	dB		42.0	42.0	30.5	30.5	30.5	30.5	30.5	30.5	31.4	32.4	28.8	31.4	34.1
Damping Factor		4 Ω	---	---	750	900	900	1200	800	900	800	800	400	400	400
Cooling Fans (temperature controlled)	front		1	1	2	2	2	2	2	2	2	2	0	2	2
	back		2	2	2	2	2	2	2	2	2	2	2	2	2
Idle Current	A		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.3	0.35	0.37
Power Consumption 1/8 Load (Speech)	A	8 Ω	---	---	2.2	2.4	2.9	3.5	2.2	3.6	2.1	2.7	3.0	4.3	5.9
		4 Ω	---	---	3.7	4.1	4.9	5.9	3.7	6.2	2.9	3.8	4.7	6.8	9.2
		2 Ω	---	---	6.2	6.5	7.7	9.2	6.2	9.5	---	---	---	---	---
		100 V	1.8	3.8	---	---	---	---	---	---	---	---	---	---	---
Power Consumption 1/3 Load (compressed Music)	A	8 Ω	---	---	4.3	4.8	5.8	7.0	4.3	7.3	4.9	6.3	4.7	6.7	9.2
		4 Ω	---	---	6.6	7.3	8.7	10.5	6.6	11.0	6.9	8.7	7.3	10.4	14.4
		2 Ω	---	---	9.5	10.0	11.9	14.2	9.5	14.7	---	---	---	---	---
		100 V	3.8	5.8	---	---	---	---	---	---	---	---	---	---	---
Power Consumption Full Power	A	8 Ω	---	---	8.0	8.9	10.8	12.9	8.0	13.5	8.4	10.8	7.7	11.0	15.2
		4 Ω	---	---	13.6	15.0	17.9	21.5	13.6	22.6	11.9	15.5	12.4	17.6	24.4
		2 Ω	---	---	22.0	23.2	27.6	33.0	22.0	34.0	---	---	---	---	---
		100 V	6.9	13.5	---	---	---	---	---	---	---	---	---	---	---
Heat Dissipation (Idle)	W*		21	21	21	21	21	21	42	42	30	30	34	40	43
Heat Dissipation 1/8 Load (Speech)	W*	8 Ω	---	---	179	195	241	273	374	622	242	312	345	494	678
		4 Ω	---	---	304	335	428	506	623	1302	372	520	540	782	943
		2 Ω	---	---	666	659	783	900	1362	2531	---	---	---	---	---
		100 V	158	375	---	---	---	---	---	---	---	---	---	---	---
Heat Dissipation 1/3 Load (compressed Music)	W*	8 Ω	---	---	482	549	673	784	987	1753	588	760	540	770	1058
		4 Ω	---	---	668	735	915	1093	1360	2653	900	1148	839	1196	1656
		2 Ω	---	---	1005	1002	1203	1378	2057	3906	---	---	---	---	---
		100 V	355	660	---	---	---	---	---	---	---	---	---	---	---
Heat Dissipation Full Power	W*	8 Ω	---	---	980	1107	1364	1567	1000	1745	720	900	885	1265	1784
		4 Ω	---	---	1688	1850	2277	2705	1708	3158	1190	1560	1426	2024	2805
		2 Ω	---	---	3060	3136	3748	4390	3100	5400	---	---	---	---	---
		100 V	480	1040	---	---	---	---	---	---	---	---	---	---	---
DSP			no	yes				no	no		no				
SXL Dataport			no	yes				yes	yes		yes				
Remote Power On			yes	yes				yes	yes		yes				
Alive Contact			yes	yes				yes	no		yes				
Backup Power		24 V	yes	no				no	no		no				
Height	RU		2	2	2	2	2	2	2	2	2	2	2	2	
Depth	mm		454	454	454	454	454	454	454	454	454	454	454	454	
Weight (net)	kg		14.5	17.5	13.5	13.5	13.5	15.5	13.5	15	19	20	18	20	22
Power Requirements	V		210-240		210-240			210-240		210-240		210-240			
	Hz		50-60		50-60			50-60		50-60		50-60			

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