



AUDAC Devices Heat Dissipation 2024

Version 1.5

1/8 Rated Output Power

Model	Max output power (W)	Output (W)	Mains Input (W)	Heat dissipation (W)	Heat dissipation (BTU/hr)	Heat dissipation (Kcal/hr)
SMA350	2x350	87,5	145	57,5	196	49
SMA500	2x500	125	182	57	194	49
SMA750	2x750	187,5	262	74,5	254	64
SMQ350	4x350	175	272	97	331	83
SMQ500	4x500	250	345	95	324	82
SMQ750	4x750	375	503	128	437	110
SMQ1250	4x1250	625	816	191	652	164
CAP412	4x120	60	120	60	205	52
CAP224	2x240	60	115	55	188	47
CAP248	2x480	120	187	67	229	58
CAP424	4x240	120	218	98	334	84
CAP448	4x480	240	440	200	682	172
PMQ240	4x240	120	190	70	239	60
PMQ480	4x480	240	329	89	304	77
PMQ600	4x600	300	416	116	396	100
EPA152	2x150	37,5	69	31,5	107	27
EPA252	2x250	62,5	98,1	35,6	121	31
EPA502	2x500	125	183	58	198	50
EPA104	4x100	50	86,4	36,4	124	31
EPA254	4x250	125	186	61	208	52
DPA616	16x60	120	200	80	273	69
SCP206	2x60	15	42	27	92	23
SCP212	2x120	30	60	30	102	26
SCP224	2x240	60	100	40	136	34
SCP230	2x300	75	115	40	136	34
SCP250	2x500	125	200	75	256	64
VEXO11A	300	37,5	90	52,5	179	45
VEXO112A	400	50	90	40	136	34

VEXO115A	500	62,5	90	27,5	94	24
AMP203	2x30	7,5	10,6	3,1	11	3
AMP523	2x15	3,7	7,1	3,4	12	3
AMP22	2x15	3,7	6,3	2,6	9	2
CEP408	4x80	40	92	52	177	45
CEP803	8x30	30	68	38	130	33
COM104	1x40	5	11	6	20	5
COM108	1x80	10	19	9	31	8
COM12MK2	1x120	15	87	72	246	62
COM24MK2	1x240	30	53	23	78	20
MFA208	2x40	10	27,5	17,5	60	15
MFA216	2x80	20	40	20	68	17

1/3 Rated Output Power

Model	Max output power (W)	Output (W)	Mains Input (W)	Heat dissipation (W)	Heat dissipation (BTU/hr)	Heat dissipation (Kcal/hr)
SMA350	2x350	233,3	305	71,7	245	62
SMA500	2x500	333,3	416	82,7	282	71
SMA750	2x750	500	624	124	423	107
SMQ350	4x350	466,6	592	125,4	428	108
SMQ500	4x500	666,6	813	146,4	499	126
SMQ750	4x750	1000	1227	227	775	195
SMQ1250	4x1250	1666,6	2012	345,4	1179	297
CAP412	4x120	160	256	96	328	83
CAP224	2x240	160	221	61	208	52
CAP248	2x480	320	400	80	273	69
CAP424	4x240	320	435	115	392	99
CAP448	4x480	640	870	230	785	198
PMQ240	4x240	320	426	106	362	91
PMQ480	4x480	640	732	92	314	79
PMQ600	4x600	800	1000	200	682	172
EPA152	2x150	100	145	45	154	39
EPA252	2x250	166,6	224	57,4	196	49
EPA502	2x500	333,3	426	92,7	316	80

EPA104	4x100	133,3	188	54,7	187	47
EPA254	4x250	333,3	438	104,7	357	90
DPA616	16x60	320	400	80	273	69
SCP206	2x60	40	75	35	119	30
SCP212	2x120	80	123	43	147	37
SCP224	2x240	160	220	60	205	52
SCP230	2x300	200	262	62	212	53
SCP250	2x500	333,3	400	66,7	228	57
VEXO11A	300	100	190	90	307	77
VEXO112A	400	133,3	190	56,7	193	49
VEXO115A	500	166,6	190	23,4	80	20
AMP203	2x30	20	33	13	44	11
AMP523	2x15	10	13	3	10	3
AMP22	2x15	10	13,2	3,2	11	3
CEP408	4x80	106,6	196	89,4	305	77
CEP803	8x30	80	150	70	239	60
COM104	1x40	13,3	24	10,7	37	9
COM108	1x80	26,6	46	19,4	66	17
COM12MK2	1x120	40	137	97	331	83
COM24MK2	1x240	80	120	40	136	34
MFA208	2x40	26,6	50	23,4	80	20
MFA216	2x80	53,3	72	18,7	64	16

Model	Max output power (W)	Output (W)	Mains Input (W)	Heat dissipation (W)	Heat dissipation (BTU/hr)	Heat dissipation (Kcal/hr)
M2	/	/	20	20	68	17
MTX48	/	/	9	9	31	8
MTX88	/	/	12	12	41	10
XMP44	/	/	2	2	7	2
NMP40	/	/	2,5	2,5	9	2
MMP40	/	/	1	1	3	1
IMP40	/	/	1,5	1,5	5	1
FMP40	/	/	1	1	3	1
DMP42	/	/	1,5	1,5	5	1

BMP42	/	/	0,5	0,5	2	0
APC100MK2	/	/	1	1	3	1
ARU204	/	/	12	12	41	10
ARU208	/	/	12	12	41	10
PSR529	/	/	5	5	17	4
LUNA-F	/	/	25	25	85	21
LUNA-U	/	/	23	23	78	20
NPM200	/	/	3	3	10	3
NWP220	/	/	2,4	2,4	8	2
NWP222	/	/	3	3	10	3
NWP320	/	/	2,4	2,4	8	2
NWP400	/	/	1,9	1,9	6	2
NWP300	/	/	2,2	2,2	8	2
NCP105	/	/	1,1	1,1	4	1
PRE116	/	/	12	12	41	10
PRE126	/	/	12	12	41	10
PRE220	/	/	26	26	89	22
PRE240	/	/	26	26	89	22

Info

As the power consumption of an amplifier, strongly depends on how hard the amplifier is driven, measurements are provided for various loads: idle, 1/8 of average full power, 1/3 of average full power, and full power.

Idle

Current draw at idle or with very low signal level

1/8 Power: Pink Noise

Amplifiers are tested using pink noise signals to simulate real-world speech and music signals.

This 1/8 power signal provides a very good approximation of how hard an amplifier would be driven by typical real-world speech/music signals, assuming those signals were being driven as loud as possible without clipping the amplifier.

1/3 Power: Pink Noise

1/3 Power Pink Noise is similar to 1/8 Power Pink Noise, except that it is a significantly more powerful input signal. It approximates operating with music or voice with very heavy clipping and a very compressed dynamic range. This 1/3 power signal provides an approximation of how hard an amplifier would be driven by typical real-world speech/music signals, assuming those signals were being driven loud enough to clip the amplifier heavily, and produce severe, audible distortion.

Full Power

Current draw at full power is measured with a sine wave at its maximum possible level. However, it does not represent any real-world operating condition and represents the absolute extremes that an amplifier could experience.