

Mains Operation & Resulting Temperature Table and Mains Fusing IPX-Series Amplifiers

IPX5:4	U mains [V] (5)	I mains [A]	P mains [W]	P out [W]	Pd [W] (4)	BTU/hr (3)
Standby	230	0.60	15	0	15	51
Idle	230	0.75	75	0	75	256
1/8 Max. Output Power @ 8 Ω (2)	230	5.4	831	4 x 156	207	706
1/8 Max. Output Power @ 4 Ω (2)	230	5.8	881	4 x 156	257	877
1/8 Max. Output Power @ 2 Ω (2)	230	6,6	1018	4 x 163	366	1249
1/8 Max. Output Power @ 70 V/100 V (2)	230	5.5	840	4 x 156	216	737
Nominal Operation Mode @ 4 Ω (1)	230	3.50	700	4 x 94	324	1106

IPX10:4	U mains [V] (5)	I mains [A]	P mains [W]	P out [W]	Pd [W] (4)	BTU/hr (3)
Standby	230	0.61	16	0	16	55
Idle	230	0.75	80	0	80	273
1/8 Max. Output Power @ 8 Ω (2)	230	4.60	850	4 x 156	226	771
1/8 Max. Output Power @ 4 Ω (2)	230	8.50	1700	4 x 313	448	1529
1/8 Max. Output Power @ 2 Ω (2)	230	9.50	2100	4 x 325	800	2730
1/8 Max. Output Power @ 70 V/100 V (2)	230	8.9	1692	4 x 313	440	1501
Nominal Operation Mode @ 4 Ω (1)	230	5.73	1200	4 x 188	448	1529

IPX10:8	U mains [V] (5)	I mains [A]	P mains [W]	P out [W]	Pd [W] (4)	BTU/hr (3)
Standby	230	0.62	18	0	18	61
Idle	230	0.85	105	0	105	358
1/8 Max. Output Power @ 8 Ω (2)	230	8.9	1709	8 x 156	461	1573
1/8 Max. Output Power @ 4 Ω (2)	230	9.5	1776	8 x 156	528	1802
1/8 Max. Output Power @ 2 Ω (2)	230	10.8	2218	8 x 163	914	3119
1/8 Max. Output Power @ 70 V/100 V (2)	230	9.60	1773	8 x 156	525	1791
Nominal Operation Mode @ 4 Ω (1)	230	6,00	1300	8 x 94	548	1870

(1) Sine Modulation (1 kHz)

(2) Pink Noise according to EN60065 / 8. Edition

(3) 1 BTU = 1055.06 J = 1055.06 Ws

(4) Pd = Power Dissipation

(5) The following conversion factors can be used for easy conversion of mains current:

100 V = 2.3; 120 V = 1.9; 240 V = 0.96

IPX20:4	Umains [V] (5)	Imains [A]	Pmains [W]	Pout [W]	Pd [W] (4)	BTU/hr (3)
Standby	230	0.63	19	0	19	65
Idle	230	0.94	110	0	110	375
1/8 Max. Output Power @ 8 Ω (2)	230	8.75	1730	4 x 313	478	1631
1/8 Max. Output Power @ 4 Ω (2)	230	16.70	3450	4 x 625	950	3242
1/8 Max. Output Power @ 2 Ω (2)	230	18.70	4150	4 x 650	1550	5289
1/8 Max. Output Power @ 70V (2)	230	15.1	3006	4 x 444	1230	4197
1/8 Max. Output Power @ 100 V/140 V (2)	230	17.0	3558	4 x 625	1058	3610
Nominal Operation Mode @ 4 Ω (1)	230	10.8	2178	4 x 375	678	2313

(1) Sine Modulation (1 kHz)

(2) Pink Noise according to EN60065 / 8. Edition

(3) 1 BTU = 1055.06 J = 1055.06 Ws

(4) Pd = Power Dissipation

(5) The following conversion factors can be used for easy conversion of mains current:

100 V = 2.3; 120 V = 1.9; 240 V = 0.96

Recommended Mains Fusing and Mains Cable Diameter for IPX-Series Amplifiers

Amp Model	Rating of mains circuit breaker (1)	Mains Cable Cross-Section (1), (2)
IPX5:4	13 A - 16 A (100 V - 240 V)	3 x 1.5 mm ² - 3 x 2.5 mm ² (AWG14)
IPX10:4	13 A - 16 A (208 V - 240 V) 30 A (100 V - 120 V)	3 x 1.5 mm ² - 3 x 2.5 mm ² (AWG14) AWG12 (3 x 3.3 mm ²)
IPX10:8	13 A - 16 A (208 V - 240 V) 30 A (100 V - 120 V)	3 x 1.5 mm ² - 3 x 2.5 mm ² (AWG14) AWG12 (3 x 3.3 mm ²)
IPX20:4	16 A (208 V - 240 V) 30 A (100 V - 120 V) 30 A (208 V) (3) 32 A (220 V - 240 V) (3)	3 x 1.5 mm ² - 3 x 2.5 mm ² (AWG14) AWG12 (3 x 3.3 mm ²) AWG12 (3 x 3.3 mm ²) 3 x 4.0 mm ²

Important Notes:

- (1) Additional and/or other requirements from local authorities may apply.
- (2) The detachable power supply cord must be an approved type acceptable to the authorities of the respective country. The maximum recommended length of the power supply cord set is 5 m (16 ft).
- (3) Preferred operation mode for IPX20:4 for high power subwoofer applications.