

Ashly nX4002 Power Amplifier 2 x 400 Watts/2 Ohms

| | 3000 & 1500 Watt Models | | | | 800 & 400 Watt Models | | | |
|--|-------------------------|---------|---------|---------|-----------------------|---------|---------|---------|
| nX Series | nX 3.04 | nX 3.02 | nX 1.54 | nX 1.52 | nX 8004 | nX 8002 | nX 4004 | nX 4002 |
| Channels | 4 | 2 | 4 | 2 | 4 | 2 | 4 | 2 |
| *Max Output Power: Measured in Watts, Per Channel, Low-Z Output, All Channels Driven | | | | | | | | |
| 2 Ohms | 3 000 | 3 000 | 1 500 | 1 500 | 800 | 800 | 400 | 400 |
| 4 Ohms | 2 000 | 2 000 | 1 500 | 1 500 | 800 | 800 | 400 | 400 |
| 8 Ohms | 1 250 | 1 250 | 1 250 | 1 250 | 800 | 800 | 400 | 400 |
| *Low I Output: Measured in Watts, Bridge Mode, All Channels Driven | | | | | | | | |
| 4 Ohms | 6 000 | 6 000 | 3 000 | 3 000 | 1 600 | 1 600 | 800 | 800 |
| 8 Ohms | 4 000 | 4 000 | 3 000 | 3 000 | 1 600 | 1 600 | 800 | 800 |
| *70V, 100V Output: Measured in Watts, All Channels Driven | | | | | | | | |
| 70V {per channel} | 2 450 | 2 450 | 1 500 | 1 500 | 800 | 800 | 400 | 400 |
| 100V {per channel} | 1 250 | 1 250 | 1 250 | 1 250 | 800 | 800 | 400 | 400 |
| Total Power Draw: Measured in Watts, Total for all Channels | | | | | | | | |
| Sleep Mode | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Standby Mode | 70 | 40 | 70 | 40 | 40 | 25 | 40 | 25 |
| Idle (no signal) | 100 | 55 | 100 | 55 | 70 | 40 | 70 | 40 |
| Current Draw: Measured in Amps, Total for all Channels, 120VAC, Divide by 2 for 240V | | | | | | | | |
| Sleep Mode | 0,1 | 0,1 | 0,1 | 0,1 | 0,1 | 0,1 | 0,1 | 0,1 |
| Standby Mode | 1,30 | 0,70 | 1,30 | 0,70 | 0,70 | 0,38 | 0,70 | 0,38 |
| Idle (no signal) | 1,85 | 1,00 | 1,85 | 1,00 | 1,30 | 0,70 | 1,30 | 0,70 |
| Max Current Draw: Measured in Amps, Typical Input, AD Channels Driven, Divide by 2 for 240V | | | | | | | | |
| XMax Power@20hms | 29,5 | 14,7 | 16,0 | 8,0 | 8,8 | 4,6 | 5,0 | 2,6 |
| Thermal Dissipation: BTU/hr, Typical Input, Total for oH Channels | | | | | | | | |
| Sleep mode | <3.4 | <3.4 | <3.4 | <3.4 | <3.4 | <3.4 | <3.4 | <3.4 |
| Standby mode | 238 | 136 | 238 | 136 | 136 | 85 | 136 | 85 |
| Idle (no signal) | 340 | 187 | 340 | 187 | 238 | 136 | 238 | 136 |
| XMax Power@20hms | 2 720 | 1 360 | 1 700 | 850 | 970 | 495 | 595 | 305 |

* Measurements based on CEA-2006/490A, 20mS 1kHz 1% THD+N, 480mS 1kHz -20dB.

| Specifications | Notes: OdBu=0.775 VRMS |
|--|---|
| Voltage Gain | Selectable at 26dB, 32dB, 38dB, or 1.4V |
| Damping Factor | >250 (8 Ohms load <1kHz) |
| Input High Pass Filter | 80Hz 2nd order |
| Distortion (SMPTE, typical) | <0.5% |
| Distortion (THD-N, typical) | <0.5% (8 Ohms, IOdB below rated power, 20Hz—20kHz) |
| Channel Separation | •75dB (dB from full output, 1kHz) |
| Signal to Noise (20Hz-20kHz, unweighted) | >114dB (all 3.0x models) >111dB (all 1.5x models) >108dB (all 800x models) >105dB (all 400x models) |
| Frequency Response | 20Hz—20kHz, +/-0.05dB |
| Balanced Input Connector | Euroblock 3.5mm, 1/4" TRS and XLR Combo jack |
| Input Impedance | 10k Ohms |
| Maximum Input Level | +21dBu |
| Speaker Output Connector | Neutrik® speakON* |
| Remote DC Level Control | Euroblock 3.5mm - Gnd, CV, V+ per input |
| Attenuators (per channel) | Front panel and remote. Fully off=Mute |
| Amplifier Protection | Inrush current limitation, temperature monitoring, output over-power protection, mains fuses |
| Airflow | In through sides, Out through front |
| Cooling | Continuously variable temperature controlled axial fan(s) |
| Environmental | 32-113 deg F, (0-45 deg, C) (noncondensing) |
| Front Panel LED Indicators | |
| White LED | |
| POWER | Switch: On, Off, Standby (flashing) |
| Red LED | |
| CLIP/MUTE | Per Channel: Clip @ IdB below full output / Mute |
| PROTECT | On (fault condition or shut down), Off |
| Green LED | |
| SIGNAL | Per Channel: -18dB below rated output |

| | |
|-------------------------------|---|
| BRIDGE | Per Channel Pair: On, Off |
| COM | On, for Ethernet data or Device ID |
| CURRENT | Per Channel: Proportional to output |
| Yellow LED | |
| TEMP | Per Channel: On dim at 90% max operating temperature, full bright + protect at 100% |
| SLEEP | On, amplifier is asleep from audio inactivity |
| DISABLE | On, power switch & front panel attenuators are disabled |
| Weights and Dimensions | |
| Unit Weight | 1.54/3.04:28lbs (12.7kg) 1.52/3.02:22lbs (10kg) 4002/8002:21.5lbs (9.75kg) 4004/8004:25.2lbs (11.4kg) |
| Shipping Weight | 1.54/3.04:34lbs (15.5kg) 1.52/3.02:28lbs (12.8kg) 4002/8002:27.6lbs (12.5kg) 4004/8004:31.3lbs (14.2kg) |
| Unit Dimensions (all models) | 19"W x 3.5"H x 16.84"D (483mm x 89mm x 428mm) |
| Shipping Dimensions | 24.5"W x 22"H x 5.25"D (622mm x 559mm x 133mm) |

| Power Requirements (@ 50/60Hz) | | |
|---------------------------------------|---|------------|
| Nominal (Automatic Sensing SMPS) | 120VAC | 240VAC |
| Operating Range | 70-135VAC | 140-270VAC |
| Minimum power-up | 85VAC | 170VAC |
| Power Cable Connector | 20A powerCON® (32A powerCON® 3.04 model only) | |