

Ashly pema 4125.70 4 x 125W/70V Pema Network Power Amplifier/Constant Voltage with 8x8 Protea DSP

| PEMA Models | 4125 | 8125 | 4250 | 8250 |
|--|--|-------------------------------------|--------|--------|
| Continuous Average Power: Output Per Channel, Low Z Models, Stereo Mode, 20Hz-20kHz, 1%THD, All Channels Driven | | | | |
| 4 Ohms | 125W | 125W | 250W | 250W |
| 8 Ohms | 75W | 75W | 150W | 150W |
| Low Z Output: Bridge Mode, 20Hz-20kHz, 1% THD, All Channels Driven | | | | |
| 8 Ohms | 250W | 250W | 500W | 500W |
| 25V, 70V, 100V Constant Voltage Models: 20Hz-20kHz, 1% THD, All Channels Driven | | | | |
| 25V (per channel) | 125W* | 125W* | 250W | 250W |
| 70V (per channel) | 125W | 125W | 250W | 250W |
| 100V (per channel) | 125W | 125W | 250W | 250W |
| Line Current Draw: 120V, All Channels Driven | | | | |
| Standby Mode | 190mA | 290mA | 190mA | 290mA |
| Idle (no signal) | 590mA | 565mA | 540mA | 565mA |
| 1/8 Max Power, Pink Noise, All Channels Driven | | | | |
| Typical | 1.70A | 2.78A | 2.85A | 5.0A |
| 1/3 Max Power, Sine Wave, All Channels Driven | | | | |
| Maximum | 3.27A | 5.78A | 6.00A | 11.0A |
| Thermal Dissipation: BTU/hr, All Channels Driven | | | | |
| Standby Mode | 46,7 | 63,8 | 46,7 | 63,8 |
| Idle (no signal) | 123 | 187 | 123 | 187 |
| 1/8 Max Power, Pink Noise, All Channels Driven | | | | |
| Typical | 232 | 444 | 341 | 700 |
| 1/3 Max Power, Sine Wave, All Channels Driven | | | | |
| Maximum | 251 | 481 | 378 | 775 |
| Signal to Noise | | | | |
| 20Hz-20kHz, Unweighted | >102dB | >102dB | >105dB | >105dB |
| Front Panel LED Indicators | | | | |
| Unit Status | | | | |
| POWER | Blue | Switch: On, Of | | |
| STANDBY | Yellow | Standby, flashing | | |
| PROTECT | Red | On, Off | | |
| DISABLE | Yellow | On, Off | | |
| COM | Green | On, for Ethernet data or Device ID | | |
| Each Channel | | | | |
| | Red | Clip/Mute | | |
| SIGNAL LEVEL | Yellow | -6dB | | |
| | Green | -18dB, -12dB | | |
| BRIDGE | Green | Per Channel | | |
| TEMP | Yellow | Per Channel | | |
| CURRENT | Green | Per Channel: Proportional to output | | |
| Specifications Note: 0dBu = 0.775 VRMS | | | | |
| Input Sensitivity (Low Z models) | 3.2dBu (4125/8125) 6.2dBu (4250/8250) 7.2dBu (70V/100V models) | | | |
| Voltage Gain | 26dB (Low Z models), 32dB (70V models) 35dB (100V models) | | | |
| Damping Factor | >250 (8 Ohm load, <1kHz) | | | |
| Distortion | <0.5% (SMPTE, typical) <0.5% (THD-N, typical, 8 Ohm, 10dB below rated power, 20Hz-20kHz) | | | |
| Channel Separation | -80dB (dB from full output, 1kHz) | | | |
| Frequency Response | 20Hz-20kHz, +/-1dB | | | |
| Mic/Line Input Impedance | 4.8k Ohms | | | |
| Mic/Line Maximum Input Level | +21dBu | | | |

| | |
|--|---|
| Mic/Line Preamp Gain | 0, +20dB, +40dB, +60dB |
| Mic/Line Phantom Power | +15V, switchable ch. 1-4, 5-8 |
| Summed Mono | 3.16k Ohm (Input Impedance) +11dBu (Maximum Input Level) |
| Channel 1 TEL-PBX | 3.9k Ohm (Input Impedance) +21dBu (Maximum Input Level) |
| Preamp Output Maximum Level | +8dBu |
| AUX Output Maximum Level | +20dBu |
| Environmental | 40-120 deg. F, (4-49 deg. C) (noncondensing) |
| Rear Panel | |
| Controls | Ethernet 10/100, Channel 1 TEL-PBX Switch, Remote Standby, Preset Recall (4), Remote Level (8), Remote Data |
| Connectors (each channel) | Input: Euroblock Output: Euroblock |
| Audio Connections | |
| 1 Euro connector balanced input, selectable for Mic, Line or TEL- PBX | |
| 7 Euro connector balanced inputs, software selectable for Mic or Line | |
| 8 pairs of unbalanced, summed mono RCA connectors optimized for consumer line level (-10dBV nominal) devices | |
| 8 Euro connector Preamp/Aux outputs | |
| 4 or 8 Euro connector speaker outputs | |
| CobraNet® and Dante® Digital I/O options | |
| Remote Accessories | |
| WR-1 | 2-Channel Level Control |
| WR-1.5 | Level and Preset Recall |
| WR-2 | Four-Position Switch |
| WR-5 | Programmable Selector |
| neWR-5 | Programmable Network Remote |
| FR-8 | 8-Channel Network Fader Remote |
| FR-16 | 16-Channel Network Fader Remote |
| RD/RW-8C | Serial Data Fader Remote |
| Ashly Remote | Remote Control Application for Apple® iPad® |
| Power Requirements | |
| AC Mains | 120VAC or 240VAC, ±10% 50-60Hz |
| Power Cable Connector | 15A Edison, 3-Prong IEC |
| Weights and Dimensions | |
| Dimensions | 19" W x 3.50" H x 16.84" D (483mm x 89mm x 428mm) |
| Airflow | IN through sides, OUT through front |
| Unit Weight | 4125/4250: 23.5 lbs (10.7 kg) 8125/8250: 25 lbs (11.3 kg) |
| Shipping Weight | 4125/4250: 30.9 lbs (14 kg) 8125/8250: 32.3 lbs (14.7 kg) |
| Environmental | 40-120 deg. F, (4-49 deg. C) (noncondensing) |