

# Ashly pema 4125 Network Power Amplifier 4x125W/4 Ohms and 25V with 8x8 DSP Processor

Models	4125	8125	4250	8250
<b>Continuous Average Power: Output Per Channel, Low Z Models, Stereo</b>				
Mode, 20Hz-20kHz, 1%THD	All Channels Driven			
4 Ohms	125W	125W	250W	250W
8 Ohms	75W	75W	150W	150W
<b>LowZ Output: Bridge Mode, 20Hz-20kHz, 1% THD, All Channels Driven</b>				
8 Ohms	250W	250W	500W	500W
<b>70V, 100V Distributed Output: 20Hz-20kHz, 1% THD, All Channels Driven</b>				
70V (per channel)	125W	125W	250W	250W
100V (per channel)	125W	125W	250W	250W
<b>Line Current Draw: 120V, All Channels Driven</b>				
Standby Mode	190mA	290mA	190mA	290mA
Idle (no signal)	590mA	565mA	540mA	565mA
<b>1/8 Max Power, Pink Noise, All Channels Driven</b>				
Typical	1.70A	2.78A	2.85A	5.0A
<b>1/3 Max Power, Sine Wave, All Channels Driven</b>				
Maximum	3.27A	5.78A	6.00A	11.0A
<b>Thermal Dissipation: BTU/hr, All Channels Driven</b>				
Standby Mode	46,7	63,8	46,7	63,8
Idle (no signal)	123	187	123	187
<b>1/8 Max Power, Pink Noise, All Channels Driven</b>				
Typical	232	444	341	700
<b>1/3 Max Power, Sine Wave, All Channels Driven</b>				
Maximum	251	481	378	775
<b>Signal to Noise</b>				
20Hz—20kHz, Unweighted	>102dB	>102dB	>105dB	>105dB

Specifications	Note:0dBu = 0.775VRMS
Input Sensitivity (Low Z models)	3.2dBu (4125/8125) 62dBu (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, switchablech. 1-4,5-8
Summed Mono	3.16k Ohm (Input Impedance) ?1dBu (Maximum Input Level)
Channel 1TEL-PBX	39k 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)
<b>Power Requirements</b>	
AC Mains	120VAC or 240VAC, ±10% 50-60HZ
Power Cable Connector	ISA Edison, 3-Prong IEC
<b>Weights and Dimensions</b>	
Dimensions	19" W x 350" 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)