



H Three M800 Opus II

Monoblock Amplifier Eight Hundred Watts at Four Ohms

Step into the realm of sonic mastery. Our new amplifier epitomizes the marriage of power and precision, delivering a symphony of sound for a transcendent immersion.

Crafted with passion and dedication to perfection, this amplifier embodies the perfect balance between raw strength and delicate control. From the thunderous lows to the crystalline highs, prepare to embark on a journey of audio enlightenment, where every note resonates with the purity of true craftsmanship, revealing the texture of the sound waves and unveiling layers of detail previously unheard. Create your sound sanctuary, where is the living body of music is materialised.



The Mono-bloc H Three M800 amplifier from the Heritage Line is part of a new opus that redefines what Orpheus has previously achieved. Featuring a current amplification stage driven by twenty-four manually matched power MOSFETs, it can reach instantaneous current peaks of up to forty-five amperes. To ensure optimal control throughout the amplification chain, each MOSFET is governed by a bipolar technology control stage. This approach, combined with a multi-point feedback topology, allows for the precise amount of feedback required to blend musicality with technical performance seamlessly. Consequently, the H Three M800 can adapt optimally to any type of loudspeaker. Its highly polarized Class AB architecture endows it with a substantial share of Class A operation.

The polarization circuit ensures optimal biasing regardless of the operating temperature. Furthermore, its low-impedance BJT component architecture maintains constant biasing irrespective of the load type, even at the highest current peaks.

Because musicality comes first and no measuring instrument can rival the human ear in this matter, these technological combinations have been meticulously refined through numerous iterations between laboratory measurements and listening sessions. The result is a purely musical experience, with breathtaking dynamic capability, extremely sharp note attacks, and exceptional openness.



INPUT	
Connections	<i>XLR or RCA</i>
Balanced input Impedance	<i>94 kΩ</i>
Unbalanced input Impedance	<i>47 kΩ</i>
Balanced input sensitivity	<i>2.525 Vrms</i>
Unbalanced input sensitivity	<i>1.162 Vrms</i>
Grounding (switch on the rear panel selection)	<i>Grounded: Signal ground is connected to earth Lifted: Signal ground is decoupled from earth</i>
OUTPUT	
Nominal audio power (AB class)	<i>800 Wrms @ 4 Ohm</i>
Continuous peak power	<i>2200 Wpic (max 80.8 Vpic 28 A pic)</i>
Instantaneous power peak (<200ms)	<i>3600 Wpic (max 80.8 Vpic 45 A pic)</i>
Polarization power	<i>96 W</i>
Frequency range (+0dB, -0.1dB)	<i>5 Hz to 90 kHz</i>
Frequency range (-3dB)	<i>0.7 Hz to 165 kHz</i>
THD+N @ 800W on 4Ohm	<i>< 0.0018 % @ 1kHz (-95 dB) @ 22 Hz to 40 kHz</i>
THD+N unloaded	<i>< 0.0007 % @ 1kHz (-103 dB)</i>
Clip to Noise Ratio (input Bal)	<i>-123 dB</i>
Clip to Noise Ratio (input Unbal)	<i>-123 dB</i>
Gain Unbalanced	<i>33.1 dB (45.28 V/V)</i>
Gain Balanced	<i>27.1 dB (22.64 V/V)</i>
Output impedance	<i>0.0072 Ohm</i>
Damping Factor @ 8 Ohm	<i>1100</i>
TECHNOLOGY USED	
<ul style="list-style-type: none"> - Unique bias circuit guarantees temperature-compensated bias current - Real dual mono topologies with 24 High resolution MOSFETs for a total of 96 A peak-to-peak - Oversized power supply circuit, capacitive decoupling of mains voltage to eliminate interference. - DC free output. 	
POWER	
Nominal line voltage	<i>115 V or 230 V</i>
Input voltage range	<i>± 15 %</i>
Nominal power consumption	<i>1200 W</i>
Standby consumption	<i>Less than 1 W</i>
SIZE & WEIGHT	
Height	<i>271 mm</i>
Depth	<i>440 mm</i>
Width	<i>440 mm</i>
Weight	<i>56 kg</i>
SAFETY FEATURES	
<ul style="list-style-type: none"> - Guaranteed power output without any parasitic DC components - Output voltage monitoring circuit to protect the loudspeakers if too low a frequency is applied to the input. - Output current limited to +-45A peak - Overcurrent protection: cuts the power output if a current of 20 Arms or more (1600W at 4 Ohm) remains for more than 200 ms 	