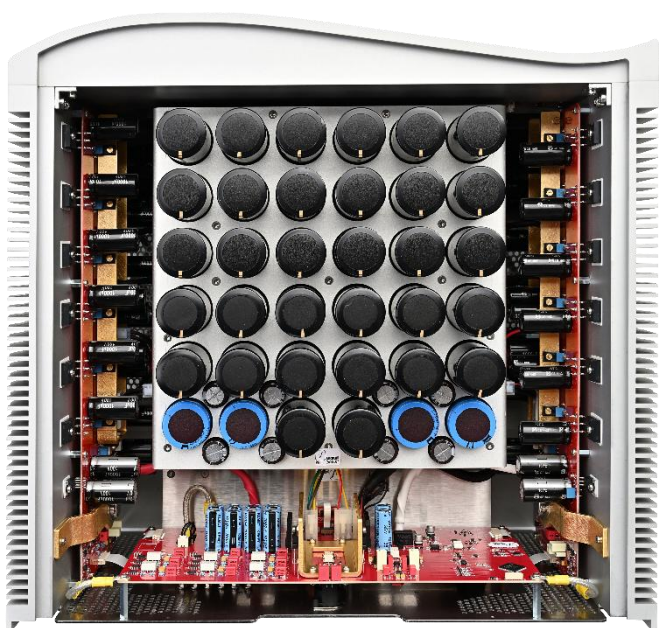


H Three M800 Opus II

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.

The Class AB architecture is brought to life by a carefully calibrated 480 mA bias current, delivering a thermal idle power of 96 WPC and allowing the amplifier, at rest, to stabilize at 15 °C above ambient temperature.

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	XLR or RCA
Balanced input Impedance	94 k Ω
Unbalanced input Impedance	47 k Ω
Balanced input sensitivity	2.525 Vrms
Unbalanced input sensitivity	1.162 Vrms
Grounding (switch on the rear panel selection)	Grounded: Signal ground is connected to earth Lifted: Signal ground is decoupled from earth
OUTPUT	
Nominal audio power (AB class)	800 Wrms @ 4 Ohm 400 Wrms @ 8 Ohm
Continuous peak power	2200 Wpic (max 80.8 Vpic, 28 A pic)
Instantaneous power peak (<200 ms)	3600 Wpic (max 80.8 Vpic, 45 A pic)
Bias current	480 mA
Thermal Idle power	96 WPC
Frequency range (+0 dB, -0.1 dB)	5 Hz to 90 kHz
Frequency range (-3 dB)	0.7 Hz to 165 kHz
THD+N @ 800 W into 4 Ohm	0.0018 % (-95 dB) @ 1 kHz, analysis range 20 Hz to 40 kHz
THD+N unloaded	0.0007 % (-103 dB) @ 1 kHz, analysis range 20 Hz to 40 kHz
Clip to Noise Ratio (input Bal)	-123 dB
Clip to Noise Ratio (input Unbal)	-123 dB
Gain Unbalanced	33.1 dB (45.28 V/V)
Gain Balanced	27.1 dB (22.64 V/V)
Output impedance	0.0072 Ohm
Damping Factor @ 8 Ohm	1100
TECHNOLOGY USED	
Unique bias circuit guarantees temperature-compensated bias current	
Real dual mono topologies with 24 High resolution MOSFETs	
Oversized power supply circuit, capacitive decoupling of mains voltage to eliminate interference	
DC free output	
2400 VA toroidal transformers feed an impressive total of 350 mF of capacitance, ensuring unwavering power stability.	
POWER	
Nominal line voltage	115 Vac or 230 Vac
Input voltage range	-15%, +10 %
Nominal power consumption	1200 W
Standby consumption	Less than 1 W
SIZE & WEIGHT	
Height	271 mm
Depth	440 mm
Width	440 mm
Weight	56 kg
SAFETY FEATURES	
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 +-45 A peak	
Overcurrent protection: cuts the power output if a current of 28 Apic or more (1250 W at 2 Ohm) remains for more than 200 ms	