

NAP 350

Product sheet

NAP 350 is an industry-leading monoblock amplifier offering a multitude of loudspeaker options. Its dynamic power drives even with the most demanding loudspeakers. It can be used alone or combined with others. Thanks to its silent cooling system, it is easy to install in your chosen environment with no sound disruption.



Key points

- **Can be used with legacy products** via the legacy range of cables.
- **Separate DR PSUs** for power amplifier, including the XLR input stage.
- **Eight NA009 Naim custom designed power transistors** as developed for Statement (4 for the PSUs and 4 for the output stages). Each mounted on ceramic insulators for ultra low capacitive coupling.
- **Newly developed output stage** with double driver and double power transistor - improved sound quality and more power.
- **New triple transistor constant current source (CCS)** in delicate gain stage - uses a newly developed CCS for improved sound quality.
- **Party-proof:** new heatsink design responds to temperature fluctuation, keeping things cool.
- **0.5W standby power**
Using two internal power supplies; one is a high quality audiophile linear type, based on a large toroidal transformer. The other is a highly efficient SMPSU for 0.5W power consumption in standby during standby mode.
- **Soft-start power up sequence**, preventing the large toroidal transformers from tripping mains circuit breakers due to the large influx of voltage required.
- **3.5mm optical inter-product communications** for synchronised system control, preventing ground loops. This facility offers LED brightness and power control.
- **Eddy current divide** situated between speaker output terminals for improved sound quality.
- **Custom audiophile components** such as polystyrene capacitors in filter circuits for low dielectric absorption.
- **Through-hole components** reducing microphonies picked up via the circuit board fluctuations.

Specifications

Type	Amplifier
Power output	175 Watts 8Ω @0.1% THD+N (195W @1%) 345 Watts 4Ω @1% THD+N
Gain	+29dB
Inputs	1 x 47kΩ True balanced via XLR 1 x 34kΩ singled ended via legacy adaptor lead
Frequency response	-3dB @ 1.4Hz to 100kHz
Burst power 2Ω (1kHz for 20mS, repeat 500mS IHF)	610 Watts 2Ω @1% THD+N
Peak current into 1Ω (1kHz 1mS)	+/-42 amps peak (1.7kW peak power)
THD+N at 2/3rds full power 8Ω @1kHz	0.006%
Input signal for clipping	1.33V RMS
Signal to noise ratio ref 1W 8Ω A-weighted	91dB
Signal to noise ratio ref 175W 8Ω A-weighted	114dB
Cross talk	NA (mono)
Damping factor into 8Ω	36
Passive consumption	24W (idle)
Standby consumption	<0.5W
Mains supply	115V or 230V, 50/60Hz
Dimensions (HxWxD)	3 ^{5/8} x17x12 ^{1/2} " (9.15x43.2x31.75cm)
Weight	36.38lbs (16.5kg)

