



# C 316BEE Stereo Integrated Amplifier



Our scene-stealing C 315BEE, an award-winning design that exceeded all expectations, has given rise to the C 316BEE Integrated Amplifier. The C 316BEE promises improved power efficiency, a healthy dose of 'green' attributes, and serious musical performance. The C 316BEE offers entry-level affordability and for many there will never be a need for another amplifier. With class-leading specifications for noise, distortion, power, stereo separation and volume control tracking, the C 316BEE sets new benchmarks for performance, both measured and audible. The sonic result is a relaxed and inviting sound that digs out the subtle details in your favourite recordings and presents them across a panoramic stereo sound stage.

## Features

### > Innovative Twist on Proven Technology

Proprietary PowerDrive™ Circuit offers a remarkable combination of high current drive needed for complex loudspeaker loads combined with high levels of undistorted dynamic power. Bjørn Erik Edvardsen, our Director of Advanced Development, developed a simplified version of PowerDrive for the C 316BEE.

### > Enviro Chic

Thanks to its innovative technology, standby power consumption is less than 1 watt. The C 316BEE uses lead-free silver solder and is constructed free of hazardous materials.

### > Budget-friendly

True to our enviable reputation for creating some of the best performing budget amplifiers of all time, the C 316BEE delivers huge performance without the huge price tag.

### > Dynamic Power Reserves

Continuous power is a conservative 40 watts and dynamic power, which is more important for music listening, is remarkably more than 100 watts! Far more usable power on tap than other amps at this price point.

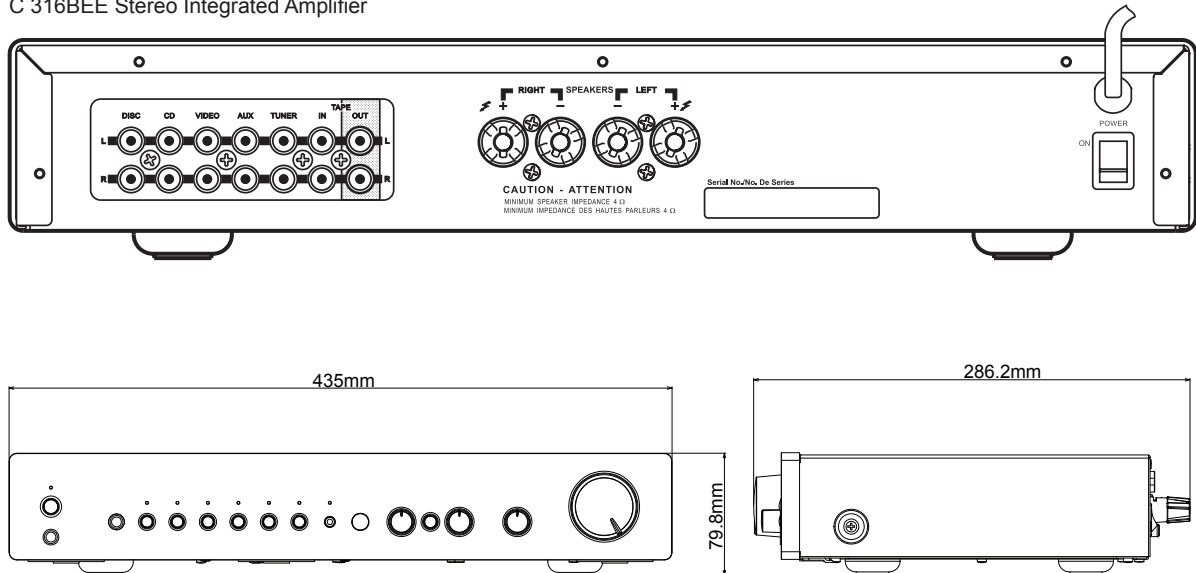
### > Keeping it Simple

The C 316BEE has everything necessary for musical enjoyment, yet it is refreshingly limited to the essentials: six inputs, one set of speakers, a headphone jack and full function remote control.

### > Impressive Capacity

While the C 316BEE embodies simplicity, it is far from a 'stripped down' product. It is fully equipped to be the control centre for a high performance music system.

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## Features and Specifications

Line Level Input	C 316BEE
Input impedance (R+C)	50k $\Omega$ + 100pF
Input sensitivity, rated power	200mV
Maximum input signal	7V
Line level Output	
Tape Out impedance	Source Z + 600 $\Omega$
Treble	$\pm$ 5dB at 10kHz
Bass	$\pm$ 8dB at 100Hz
Continuous output power <sup>1</sup> into 8 $\Omega$	40W (16dBW)
Rated Distortion (20Hz - 20kHz)	0.01%
Clipping power (maximum continuous power 4/8 $\Omega$ )	45W
IHF Dynamic headroom	
8 $\Omega$	+3.5dB
4 $\Omega$	+4.8dB
IHF Dynamic power	
8 $\Omega$	90W (19.5dBW)
4 $\Omega$	120W (20.8dBW)
Damping factor (ref. 8 $\Omega$ , 1kHz)	>200 (ref. 8 $\Omega$ , 1kHz)
Voltage gain	39dB
Signal / Noise ratio, A-weighted <sup>2</sup>	95dB (ref. 1W)
THD + Noise <sup>3</sup>	<0.01%
SMPTE IM <sup>4</sup>	<0.02%
IHF IM <sup>5</sup>	<0.01%
Headphone output impedance	68 $\Omega$
Physical Specifications	
Gross Dimensions (W x H x D)	435 x 79.8 x 286.2 mm
Net Weight	5.52 kg
Shipping Weight	6.65 kg

1. Minimum power per channel, 20Hz - 20kHz, both channels driven with no more than rated distortion.

2. From CD input to speakers output, volume setting for 500mV in, 8 $\Omega$  1W out

3. Total harmonic distortion, 20Hz - 20kHz from 250mW to rated output

4. Intermodulation distortion, 60Hz - 7kHz, 4:1, from 250mW to rated output

5. CCIF IM distortion, 19kHz + 20kHz rated output

**Note:** Installers should allow a minimum clearance of 55mm for wire / cable management.

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