

Genelec S30C

System Specifications

Lower cut-off frequency, -3 dB:	< 42 Hz
Upper cut-off frequency, -3 dB:	> 25 kHz
Free field frequency response of system:	43 Hz - 25 kHz (\pm 2.5 dB)
Maximum short term sine wave acoustic output on axis in half space, averaged from 100 Hz to 3 kHz: @1m @0.5 m	> 111 dB SPL > 117 dB SPL
Maximum long term RMS acoustic output in same conditions with IEC-weighted noise (limited by driver unit protection circuit): @1m @0.5 m	> 102 dB SPL > 108 dB SPL
Maximum peak acoustic output per pair on top of console, @ 1m from the engineer with music material:	> 122 dB
Self generated noise level in free field @ 1m on axis:	< 10 dB (A-weighted)
Harmonic distortion at 90 dB SPL at 1m on axis: freq. < 200 Hz freq. > 200 Hz	< 2% < 1%
Drivers:	
Bass	210 mm cone
Midrange	80 mm cone
Treble	9x65 mm ribbon
Weight:	20 kg (44 lb)
Dimensions:	
Height	495 mm (19 1/2")
Width	320 mm (12 5/8")
Depth	290 mm (11 1/3")
Amplifier	
Bass amplifier output power with an 8 Ohm load:	Short term 120W
Midrange amplifier output power with an 8 Ohm load:	Short term 120W
Treble amplifier output power with an 8 Ohm load:	Short term 120W
Long term output power is limited by driver unit protection circuitry.	
Slew rate:	80V/micros
Amplifier system distortion at nominal output:	THD < 0.05% SMPTE-IM < 0.05 % CCIF-IM < 0.05 % DIM 100 < 0.05 %
Signal to Noise ratio, referred to full output:	Bass > 100 dB Midrange > 100 dB Treble > 100 dB
Mains voltage:	100/200V or 115/230V

Voltage operating range at 230V setting: 207 - 253V ($\pm 10\%$)
Power consumption: Idle 30W
Full output 200W

Crossover

Input connector: XLR female pin1 gnd
pin2 +
pin3 -

Input impedance: 10 kOhm

Input level for 100 dB SPL output @1m: variable from +6 to -6 dBu

Input level for maximum short term output of 111 dB SPL @1m: variable from +17 to +5 dBu

Subsonic filter below 38 Hz: 18 dB/octave

Ultrasonic filter above 25 kHz: 12 db/octave

Crossover frequency: bass/mid 420 Hz
mid/treble 4 kHz

Crossover acoustical slopes: 18 - 24 dB/octave

Crossover level control operating range in 1 dB steps: bass from 0 to -6 dB
mid from 0 to -6 dB
treble from 0 to -6 dB

Bass roll-off control in 2 dB steps: from 0 to -8 dB @42 Hz

Bass tilt control in 2 dB steps: from 0 to -8 dB @80 Hz

The 'CAL' position is with all tone controls set to 'off' and input sensitivity control to maximum.

All data subject to change without prior notice