Genelec 1018A

System Specifications

Lower cut-off frequency, -3 dB: < 80 Hz
Upper cut-off frequency, -3 dB: > 18 kHz
Free field frequency response tolerance of system ± 4 dB
Maximum continuous sine wave acoustic output @ 1m on axis in a free field from 200 Hz to 2 kHz > 100 dB SPL
Maximum peak acoustic output per pair on top of a console, 1 m from the engineer with music material > 112 dB

A -20 dBu signal input will produce 86 dB SPL in a free field @ 1 m on axis with all controls set at the 'CAL' position. The 'CAL' position is the 0 dB position of all tone controls and the maximum sensitivity position of the input level control. See specification in the Crossover Section.

Self generated noise level in free field @ 1m on axis < 20 dB (A weighted)
Harmonic distortion at 85 dB SPL @ 1m on axis
f < 300 Hz < 3%
f > 300 Hz < 1%
Horizontal treble radiation loss at 30° off axis < 4 dB
f = 10 kHz < 5 dB
f = 15 kHz
Drivers
Bass 4" cone (100 mm)
Treble 2" cone (50 mm)
Weight 7.7 lb (3.5 kg)
Dimensions:
Width 5 7/8" (150 mm)
Height 10 1/4" (260 mm)
Depth 6 1/4" (160 mm)

Amplifier

Bass amplifier output power at 8 ohm load continuous 19 W
momentary 30 W
Treble amplifier output power at 8 ohm load continuous 5 W
momentary 30 W
Treble channel continuous output power is limited by the electronic overload protection
Slew rate 15 V /μs

Amplifier system distortion at nominal output
THD < 0,2%
SMPTE-IM < 0,2%
CCIF-IM < 0,2%
DIM100 < 0,2%

Signal to Noise ratio, from shorted system input to channel output, referred to full output
Bass 78 dB
Treble 90 dB

Mains voltage 110/220/240 VAC

Voltage Operation Range ± 10%

Power consumption, idle 5 VA
full output 50 VA

Crossover

Input connector: XLR female pin 2+
pin 3-

To feed from unbalanced output connect pin 3 to pin 1 (ground) in the cable connector.

Input impedance 10 k balanced

Max input level +23 dBu

Output connector in parallel with input: XLR male pin 2+
pin 3-

Output impedance same as source

Continuously variable input level for maximum output from +23 dBu to -4 dBu

Subsonic filter down 12 dB @ 40 Hz
re 150 Hz level

Ultrasonic filter down 12 dB @ 50 kHz
re 10 kHz level

Crossover frequency 3,5 kHz

Crossover acoustical slopes > 12 dB / octave

Bass cut control operation range from -6 dB to 0 dB @ 100 Hz

The 'CAL' position is 0 dB cut control set fully clockwise.

All data subject to change without prior notice