

Genelec 1037A

System Specifications

Lower cut-off frequency, -3 dB:	< 38 Hz
Upper cut-off frequency, -3 dB:	> 22 kHz
Free field frequency response of system	39 Hz - 21 kHz (± 2.5 dB)
Maximum short term sine wave acoustic output on axis in half space, averaged from 100 Hz to 3 kHz	@ 1 m > 114 dB SPL
Maximum long term RMS acoustic output in same conditions with IEC-weighted noise (limited by driver unit protection circuit)	@ 1 m > 106 dB SPL
Maximum peak acoustic output per pair on top of console, @ 1.7 m from the engineer with music material	> 125 dB
Self generated noise level in free field @ 1 m on axis	< 15 dB (A weighted)
Harmonic distortion at 95 dB SPL at 1m on axis	
f < 100 Hz	< 3 %
f > 100 Hz	< 0.5 %
Drivers	
Bass	305 mm (12") cone
Mid	130 mm (5") cone
Treble	25 mm (1") metal dome
Weight:	35 kg (77 lb)
Dimensions	
Width	680 mm (26 3/4")
Height	400 mm (15 3/4")
Depth	380 mm (15")
Amplifier	
Bass amplifier output power with a 6 ohm load	Short term 160 W
Midrange amplifier output power with a 4 ohm load	Short term 160 W
Treble amplifier output power with a 8 ohm load	Short term 120 W
Long term output power is limited by driver unit protection circuitry	
Slew rate	80 V / μ s
Amplifier system distortion at nominal output	
THD	< 0,05 %
SMPTE-IM	< 0,05 %
CCIF-IM	< 0,05 %
DIM100	< 0,05 %
Signal to Noise ratio, referred to full output	
bass	> 100 dB
midrange	> 100 dB
treble	> 100 dB

Mains voltage	100/200 V or 115/230 V
Voltage operation range at 230V setting	207 - 253 ($\pm 10\%$)
Power consumption, idle	50 W
full output	300 W

Crossover

Input connector: XLR female	pin1 gnd pin 2+ pin 3-
Input impedance	10 kOhm
Input level for 100 dB SPL output @1 m	variable from +6 to -6 dBu
Input level for maximum short term output of 114 dB SPL @1 m	variable from +20 to +8 dBu
Subsonic filter below 35 Hz:	18 dB / octave
Ultrasonic filter above 25 kHz	12 dB / octave
Crossover frequency bass / mid	420 Hz
mid / treble	3,2 kHz
Crossover acoustical slopes	18 - 24 dB / octave
Crossover level control operation range in 1 dB steps bass	from 0 dB to -6 dB
middle	from 0 dB to -6 dB
treble	from 0 dB to -6 dB
Bass roll-off control in 2 dB steps	from 0 dB to -8 dB @ 38 Hz
Bass tilt control in 2 dB steps:	from 0 dB to -8 dB @ 50 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