Genelec 1034A

System Specifications

Lower cut-off frequency, -3 dB:	< 35 Hz
Upper cut-off frequency, -3 dB:	> 22 kHz
Free field frequency response tolerance of system	± 3 dB
Maximum sine wave acoustic output @ 1m on axis in a half space	
continuous (thermally limited)	> 120 dB SPL
short-term (200 ms, amplifier output voltage limited)	> 125 dB SPL
Maximum continuous RMS acoustic output in same conditions with IEC-weighted noise	> 121 dB SPL
Maximum peak acoustic output per pair at engineer's site, speakers @ 2 m from the engineer with music material	> 130 dB

A -20 dBu signal input will produce 107 dB SPL in 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 @ 2m on axis	< 20 dB (A weighted)
Harmonic distortion at 100 dB SPL at 1m on axis	
f < 200 Hz	< 1 %
200 Hz < f < 4 kHz	< 1 %
f > 4kHz	< 2 %
Drivers	
Bass	2 x 12" cone (300 mm)
Mid	5" cone (120 mm)
Treble	1" throat compression driver
Weight:	
Speaker	249 lb. (113 kg)
Amplifier	156 lb. (71 kg)
Dimensions, Speaker:	
Width	36 1/4" (920 mm)
Height	27" (685 mm)
Depth	21 5/8" (550 mm)
Dimensions, Amplifier:	
Width	19" (483 mm)
Height	29 3/4" (755 mm)
Depth	14 9/16" (370 mm)

Amplifier

Bass amplifier output power at 4 ohm load:	
continuous	2 x 300 W
momentary	2 x 600 W
Mid amplifier output power at 8 ohm load:	
continuous	2 x 50 W
momentary	2 x 300 W
Treble amplifier output power at 8 ohm load:	2 x 13W

continuous momentary	2 x 300 W

Continuous output power is limited by the driver unit protection processor.

Slew rate	100 V /μs
Amplifier system distortion at nominal output	
THD	< 0,05 %
SMTE-IM	< 0,1 %
CCIF-IM	< 0,1 %
DIM100	< 0,1 %
Signal to Noise ratio, from shorted system input to channel output, referred to full output	
bass	101 dB
midrange	105 dB
treble	106 dB
Mains voltage	100/110/200/220/240 VAC
Voltage operation range	± 5 %
Power consumption,	
idle	150 VA
full output	3500 VA

Crossover

Input connector: XLR female	pin 2+ pin 3-
Input impedance	10 kOhm balanced
Continuously variable input level for maximum output:	
@10 dB attenuation	from +8 to +18 dBu
@0 dB attenuattion	from -2 to + 8 dBu
Subsonic filter:	down 12 dB @18 Hz re 100 Hz level
Ultrasonic filter	down 12 dB@ 50 kHz re 10 kHz
Crossover frequency	
bass / midrange	400 Hz
midrange / treble	3,5 kHz
Tone control operation range	
1 dB steps	
bass	from 0 dB to -6 dB
middle	from 0 dB to -6 dB
treble	from 0 dB to -6 dB

The 0 dB position is the 'CAL' position (switch position number 7)

Bass roll-off filter in 2 dB steps: from -6 dB to 0 dB @ 35 Hz

The 0 dB position is the 'CAL' position (switch position number 3)

Bass tilt control in 2 dB steps: from 0 dB to -6 dB @ 50 Hz

The 0 dB position is the 'CAL' position (switch position number 4)

All data subject to change without prior notice