

# Genelec 1024B

## System Specifications

		Min	Typ	Max
The speaker section consists of a three-way vented box system (B6) with dynamic elements for bass, mid-range and treble channels				
Lower cut-off frequency,	-3 dB, Hz:	30	32	35
Upper cut-off frequency,	-3 dB, kHz:	17	20	
Passband response tolerance, free field	± dB		2	3
Maximum continuous acoustic output level at 1m distance on axis in half space	dB	112	114	
Harmonic distortion at 100 dB SPL @ 1m on axis	f < 200 Hz		2	3
	f > 200 Hz		0.5	1
Treble radiation loss at 30 ° off axis	at 10 kHz, dB		3	5
	at 15 kHz, dB		4	7
Driver units				
Bass	385 mm			
Mid	80 mm			
Treble	28 mm			
Enclosure finish	Black coloured oak			

## Amplifier

		Min	Typ	Max
Three class AB power amplifiers are mounted together with the power supply on the cooling plate that also forms the mechanical frame for the amplifier. The input and driver stages are separate modules built using surface mounting technology (SMT)				
Bass channel output voltage to 4 ohm load	continuous, V		34	(270 watts)
	transient, V		38	(360 watts)
Mid-range channel output voltage to 4 ohm load	continuous, V		18	(80 watts)
	transient, V		38	(360 watts)
Treble channel output voltage to 8 ohm load	continuous, V		10	(10 watts)
	transient, V		38	(180 watts)
Slewing rate	V/μs	100		
System distortions at nominal output	SMPTE-IM, %		0,05	0,2
	CCIF-IM, %		0,1	0,2
	DIM, %		0,1	0,2
	THD, %		0,1	0,2

## Crossover

		Min	Typ	Max
The crossover filter section consists of three parallel bandpass filters with a common balanced input stage and individual output controls for frequency response calibration				
Input impedance, balanced	kOhm		10	
Input level required for maximum output	@ 1 m dBu	-		+18
114 dB SPL free field		2(CAL)		
Output controls, all channels	dB		+0/-6	

Bass channel roll-off control, two positions	@ 35 Hz, dB	0	-4
Bass channel tilt control, four positions	@ <150 Hz, dB	+2	-4
Crossover frequencies	Hz		380
Subsonic attenuation	kHz		3.8
	at 15 Hz, dB		12
Ultrasonic attenuation	@ 30 kHz, dB		3

### General

		Min	Typ	Max
Input connector, female	XLR		3-31	
Self generated noise level, at 1m on axis	dB(A)			15
Mains voltage specifications applicable operation	VAC	198	220	242
Selectable mains voltage ranges 100 V, 110V, 120 V, 220V, 240V	VAC	198	220	242
Power consumption	VA	50		700
Operating temperature	C°	0		45
Specifications applicable	C°	15		30
Specifications applicable, C°		15		30
Relative humidity, non condensing		20		85
Height	mm		900	
Width	mm		495	
Depth	mm		464	
Mass	net, kg		68	
	shipping, kg		76	
	net, liters		110	
Volume	gross, liters		200	
	shipping, m3		.4	

All data subject to change without prior notice