# Genelec S30

## System Specifications

| | | Min | Typ | Max |
|---|---|---|---|---|
| The speaker section consists of a three way vented box system with dynamic elements for bass and midrange and a ribbon element for treble. The system's acoustic axis is at midrange driver axis perpendicular to the front plate. Measuring distance is 1 m. | | | | |
| Lower cut-off frequency | -3 dB, Hz | 40 | 43 | 47 |
| Upper cut-off frequency | -6 dB, Hz | 18 | 25 | |
| Passband response tolerance, free field | ± dB | | 3 | |
| Maximum continuous acoustic output at 1m on axis in free field | dB | 102 | 105 | |
| Harmonic distortion at 90 dB SPL at 1m on axis in, % | f < 200 Hz<br>f > 200 Hz | | 2<br>0.5 | 3<br>1 |
| Treble radiation loss at 45 ° off axis | at 10 Hz, dB<br>at 16 kHz | | 3<br>4 | |
| Drivers<br>Bass<br>Mid<br>Treble | <br>210 mm cone<br>80 mm cone<br>9 x 65 mm | | | |
| Enclosure finish | Black coloured oak | | | |

**Amplifier**

| | | Min | Typ | Max |
|---|---|---|---|---|
| Three power amplifiers with an active three-way crossover filter are mounted together with the mains supply on the cooling plate which also forms the mechanical frame for the amplifiers | | | | |
| Bass output at 8 ohms load | continuous, V<br>transients, V | 20<br>23 | (50 Watts)<br>(66 Watts) | |
| Mid output at 8 ohms load | continuous<br>transients, V | 20<br>23 | (50 Watts)<br>(66 Watts) | |
| Treble output at 8 ohms load | continuous<br>transients, V | 8<br>20 | (8 Watts)<br>(50 Watts) | |
| System distortions at nominal output | THD, %<br>SMPTE, %<br>CCIF-IM, %<br>DIM, % | | 0,1<br>0,1<br>0,1<br>0,15 | 0,3<br>0,3<br>0,3<br>0,3 |

**Crossover**

| | | Min | Typ | Max |
|---|---|---|---|---|
| The crossover filter section consists of three parallel bandpass filters with a common symmetrical input stage and individual output controls. The frequency response determing components are located on a plug-in daughter PCB. | | | | |
| Input impedance, balanced | kOhm | | 10 | |
| Input level for maximum output | dBu | -9 | | +11 |

-9 dBu will produce 102 dB SPL in free field at 1 m on system axis with volume and tone controls at calibration position (volume control at maximum, bass, mid and treble controls set to position 7, bass roll-off control at maximum clockwise)

| | | | | |
|---|---|---|---|---|
| Bass roll-off filter,<br>adjustable in 2 dB steps | at 43 Hz, dB | -6 | | +0 |
| Subsonic attenuation | at 20 Hz, dB | | 12 | |
| Ultrasonic attenuation, 2nd order | at 30 kHz, dB | | 3 | |
| Crossover frequency<br>bass / midrange<br>midrange / treble | <br>Hz<br>kHz | | <br>400<br>4,0 | |
| Output controls, all channels | dB | | +0/-6 | |

**General**

| | | **Min** | **Typ** | **Max** |
|---|---|---|---|---|
| Input connector, female | XLR 3-31 | | | |
| Self generated noise level, at 1m distance on axis | dB(A) | | 10 | |
| Operating temperature | C° | 0 | | 45 |
| Specifications applicable | C° | 15 | | 30 |
| Relative humidity | % | 20 | | 70 |
| The amplifier system has passed the following tests: | | | | |
| Dry heat, stock | IEC 68-2, Bb | | | |
| Dry heat, operation | IEC 68-2-2, Bb | | | |
| Shock | IEC 68-2-29, Eb | | | |
| Vibration | IEC 68-2-6,Fc | | | |
| Damp Heat, cycling | IEC 68-2-30, Db | | | |
| Cold, operation | IEC 68-2-1, Ab | | | |
| Cold, stock | IEC 68-2-1, Ab | | | |
| Temperature changes | IEC 68-2-14, Nb | | | |
| Mains voltage, specifications applicable | VAC | | 220 | |
| Mains voltage, for normal operation | VAC | 198 | | 242 |
| Power consumption | VA | 30 | | 160 |
| Height | mm | | 495 | |
| Width | mm | | 320 | |
| Depth<br>with grille<br>without grille | <br>mm<br>mm | | <br>315<br>280 | |
| Weight | net, kg<br>shipping, kg | | 20<br>25 | |
| Volume | net, liters<br>gross, liters<br>shipping, cu.m | | 23<br>50<br>0,1 | |

All data subject to change without prior notice