



SOLITAIRE CTW 500-5 SE

The CWT 500-5 SE is significantly smaller than its two larger brothers, but it still shares the same overall design philosophy and very similar technical features. The CWT 500-5 SE has been revised as well and has received two additional mid-range drivers, which improve the radiation pattern in the crossover section between mid- / high-frequency range. The electrostatic unit is slightly shorter, but is of basically the same construction.

For this reason it is equally effective at transmitting the entire high-frequency range from 2000 Hz to more than 40 kHz – even well off-axis!

The 12 cm mid-range driver is identical to that employed in the CWT 1000-8 SE, and offers the same superb ability to handle the full vocal range from 200

to 2000 Hz. Once again this unit's outstanding attributes are its dynamic ability, its inherently lively nature, and its incredibly natural sound quality.

The damping of the speaker cone is very effective, eliminating any hint of resonance, and features integral stiffening channels. The large magnet and the carefully calculated suspension system ensure perfect transient response characteristics in the separate mid-range chamber. Since the loudspeaker is fitted with an array of five of these units, the cone excursion is very small even at extreme levels, and this eradicates potential intermodulation effects in the mid-range.

The speaker features two of the CWT 1000-8 SE's bass drivers. Since the cabinet is smaller than that of the CWT 1000-8 SE, the two drive units produce a comparable lower cutoff frequency. The drivers are perfectly matched to the sealed enclosure, and generate a surprisingly deep, powerful bass, which is incredibly dry and precise.

The CWT 500-5 SE is also equipped with the very sophisticated, double-sided three-way crossover unit (FSR). The crossover is accurately calculated, and fine-tuned for optimum transient response and transmission characteristics. It effortlessly handles even the highest levels, and ensures that the three frequency ranges are matched perfectly to each other. The filter stages are carefully optimized for accurate phase characteristic and group delay. This refined network plays a crucial role in the superb imaging and radiation characteristics of the speaker system as a whole. Switches are provided for fine-tuning the bass, mid and high-frequency ranges.

Specifications

<i>Nominal load</i>	150 Watts
<i>Music power</i>	300 Watts
<i>Impedance</i>	4 Ohms
<i>Transmission range</i>	28 – 40000 Hz

<i>Sensitivity (1 Watt/1 m)</i>	87 dB
<i>Bass drive unit</i>	2 x 210 mm
<i>Midrange unit</i>	5 x 120 mm
<i>High-frequency drive unit (Electrostatic)</i>	electrostatic
<i>Crossover-frequencies</i>	210/1600 Hz
<i>Adjustmens</i>	woofer, midrange, tweete
<i>Dimensions H x W x D</i>	107 x 30 x 38 cm 43.3 x 11.8 x 15 inch
<i>Dimensions Base</i>	3 x 36 x 46 cm 1.2 x 14.2 x 18.1 inch
<i>Weight</i>	53 kg / 117 lb
	See below, special versions on request
	Base made of massive aluminium black
<i>Finishes</i>	Cover in high gloss black 23 for all finishes, and white for high gloss white 24
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Technical modifications reserved



High gloss black 23



High gloss white 24



High gloss cherry stain 88



High gloss macassar ebony 87



High gloss walnut dark 89



High gloss Carbon 93



Metallic grey 92