



METAL COLUMN

Loudspeaker

➤ **MCS20/TC**

TECHNICAL SPECIFICATIONS

Rated power, Watts	20
Tappings 100 volt line, Watts	20/10/5/2.5
Transformer Impedance, Ohms, 100V	500/1k/2k/4k
Tappings 70.7 volt line, Watts	10/5/2.5/1.25
Driver impedance, Ohms	4
Effective frequency range, Hz (BSEN60268-5)	170–17,000
S.P.L. @ 1m, 1 watt, dB, Test Signal Bandwidth 100Hz-10 kHz	92
S.P.L. @ Full power, Octave Bandwidth, dB	105
Acoustic Power (dB-PWL@1 watt) 1k/2k Hz, dB	89 /89
Dispersion at 1k/2k Hz, Degrees	180 / 150 (horizontal) 110 / 60 (vertical)
Directivity Q factor, 1k/2kHz	3.5 / 6.1
Drive Units	3x75mm cone driver
Dimensions, front & depth, mm	368 x98 x90
Net weight, Kgs	2.5
Colour/Finish	White RAL9016
Material	Aluminium
Mounting	Steel L bracket, optional swivel bracket PEN 1066

➤ BS5839 Part 8 voice alarm compliant

EASE, CATT, ULYSSES and Architectural specifications are supplied on the disc inserted at the back of this folder
Manufacturer reserves the right to alter specifications without notice – March 2007

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A line graph showing the frequency response of the speaker. The y-axis is labeled 'sensitivity (1W, 1m) dB' and ranges from 75 to 105 in increments of 5. The x-axis is labeled 'Frequency Hz' and has logarithmic markers at 125, 250, 500, 1k, 2k, 4k, and 8k. A red curve represents the sensitivity across the frequency range. The curve starts at approximately 81 dB at 125 Hz, rises to about 89 dB at 250 Hz, and then gradually increases to a peak of about 95 dB between 2k and 4k Hz, before slightly declining to about 94 dB at 8k Hz. A red rectangular box with the text 'Average SPL 92dB' is overlaid on the graph, spanning from approximately 300 Hz to 1.5 kHz.

Frequency (Hz)	Sensitivity (dB)
125	81
250	89
500	90
1000	92
2000	95
4000	94
8000	95

Effective Frequency Range **MCS20/TC** 170Hz - 17,000Hz



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