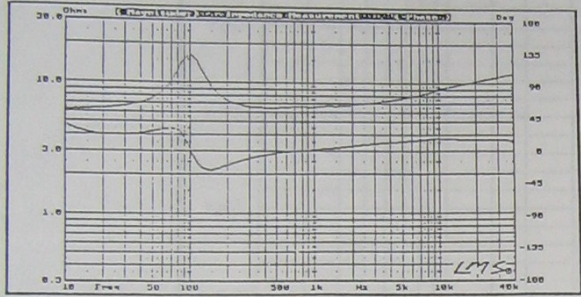


Speaker Type: 50 mm featherweight single wound 8 ohms (50ADW.3)   
 Continuous RMS power = 30 watts

$F_0$ (resonant frequency) = 55 Hz	$Q_{ms}$ (Mechanical Q) = 1.67
$SPL_{10}$ (SPL @ 1 watt) = 84.1 dB	$Q_{es}$ (Electrical Q) = 1.07
$\eta_0$ (reference efficiency) = 0.16 %	$Q_{ts}$ (Total Q) = 0.60
BI (flux * length) = 2.11 Tm	$V_{as}$ (Acoustic volume) = 2.06 litres
$L_{pvc}$ (inductance @ 1 kHz) = 0.06 mH	$C_{ms}$ (compliance) = 2.15 mm/N
$R_{pvc}$ (DC voice coil resistance) = 6.2 ohm	$M_{ms}$ (total mass) = 1.30 gm
$V_b$ (closed padded box volume) = 3 litres	$S_d$ (piston area) = 0.0026 sq m



Nearfield and Tone Burst Composite Response vs Frequency

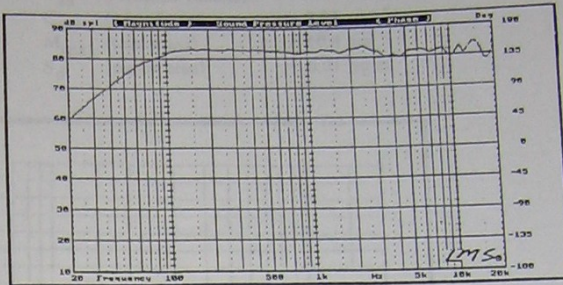


Impedance and Phase vs Frequency

page 1

Speaker Type: 50 mm double wound aluminium coil 16 ohms (50ADW.16)   
 Continuous RMS power = 30 watts

$F_0$ (resonant frequency) = 1 Hz	$Q_{ms}$ (Mechanical Q) = 1.86
$SPL_{10}$ (SPL @ 1 watt) = 84.2 dB	$Q_{es}$ (Electrical Q) = 0.75
$\eta_0$ (reference efficiency) = 0.16 %	$Q_{ts}$ (Total Q) = 0.53
BI (flux * length) = 3.60 Tm	$V_{as}$ (Acoustic volume) = 2.46 litres
$L_{pvc}$ (inductance @ 1 kHz) = 0.37 mH	$C_{ms}$ (compliance) = 2.56 mm/N
$R_{pvc}$ (DC voice coil resistance) = 12.8 ohm	$M_{ms}$ (total mass) = 1.51 gm
$V_b$ (padded box volume) = 2.6 litres	$S_d$ (piston area) = 0.0026 sq m



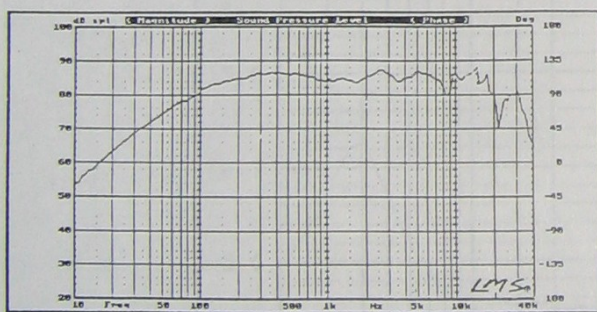
Nearfield and Tone Burst Composite Response vs Frequency



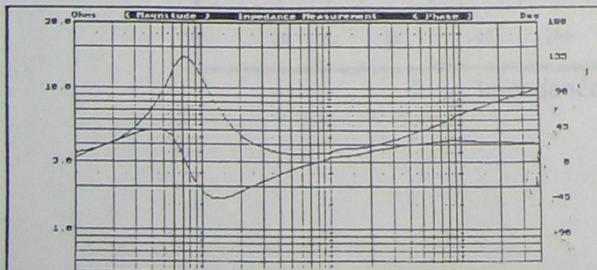
Impedance and Phase vs Frequency

Speaker Type: 50 mm double wound aluminium coil 4 ohms (50ADW.4)   
 Continuous RMS power = 55 watts   
 300 Hz crossover minimum

$F_0$ (resonant frequency) = 74 Hz	$Q_{ms}$ (Mechanical Q) = 1.62
$SPL_{10}$ (SPL @ 1 watt) = 86.9 dB	$Q_{es}$ (Electrical Q) = 0.40
$\eta_0$ (reference efficiency) = 0.31 %	$Q_{ts}$ (Total Q) = 0.32
BI (flux * length) = 2.29 Tm	$V_{as}$ (Acoustic volume) = 2.26 litres
$L_{pvc}$ (inductance @ 1 kHz) = 0.071 mH	$C_{ms}$ (compliance) = 3.40 mm/N
$R_{pvc}$ (DC voice coil resistance) = 3.40 ohm	$M_{ms}$ (total mass) = 1.36 gm
$V_b$ (lightly padded box vol.) = 0.75 litres	$S_d$ (piston area) = 0.0026 sq m

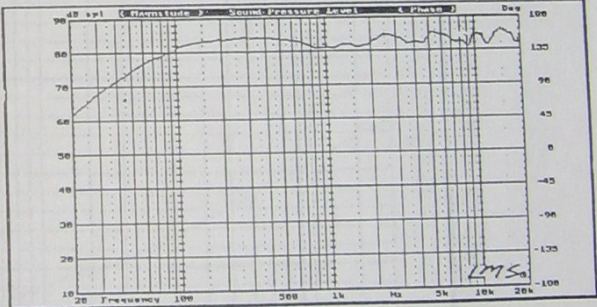


Nearfield and Tone Burst Composite Response vs Frequency



Speaker Type: 50 mm double wound aluminium coil 8 ohms (50ADW.8)   
 Continuous RMS power = 30 watts

$F_0$ (resonant frequency) = 77 Hz	$Q_{ms}$ (Mechanical Q) = 1.70
$SPL_{10}$ (SPL @ 1 watt) = 85.0 dB	$Q_{es}$ (Electrical Q) = 0.60
$\eta_0$ (reference efficiency) = 0.19 %	$Q_{ts}$ (Total Q) = 0.44
BI (flux * length) = 2.91 Tm	$V_{as}$ (Acoustic volume) = 2.69 litres
$L_{pvc}$ (inductance @ 1 kHz) = 0.101 mH	$C_{ms}$ (compliance) = 2.80 mm/N
$R_{pvc}$ (DC voice coil resistance) = 7.03 ohm	$M_{ms}$ (total mass) = 1.51 gm
$V_b$ (padded box volume) = 1.3 litres	$S_d$ (piston area) = 0.0026 sq m



Nearfield and Tone Burst Composite Response vs Frequency

