

**HI·FI
SPEAKERS**



La S.I.P.E. spa Fondata nel 1967, la SIPE è l'ultima nata tra le fabbriche italiane di altoparlanti di un certo livello, ma si è rapidamente e progressivamente imposta sia in Italia che all'estero per la qualità dei suoi prodotti, le tecnologie impiegate e la serietà del servizio.

La Società Italiana Prodotti Elettroacustici ha oggi 200 dipendenti ed un capitale sociale di L. 1.125.000.000.

Gli investimenti nella ricerca sono stati sempre cospicui, tanto che ora l'ufficio tecnico può contare su due camere anecoiche (la più grande da 8 x 7 x 6 metri di spazio libero), una camera climatica e tre completi set di misura B&K.

La produzione La SIPE, avendo sempre privilegiato la produzione di grandi tirature per grossi clienti industriali, non ha risentito della crisi attraversata dal mercato Hi-Fi in questo ultimo periodo.

Assicuratasi così una solida base produttiva, si è dedicata per anni allo studio di altoparlanti Hi-Fi per conto di aziende italiane ed estere (per esempio Chario ed Audio Pro), raccogliendo molte soddisfazioni.

La notevole esperienza acquisita con la progettazione e produzione di altoparlanti Hi-Fi è stata quindi applicata anche al settore TV, portando la SIPE ad un ruolo leader nella progettazione e produzione di sofisticati altoparlanti schermati per Hi-Fi TV, per le maggiori industrie europee.

L'elevato livello qualitativo di questi componenti è provato dalla preferenza che viene loro accordata nell'avanzatissimo mercato tedesco.

La SIPE spa produce tutte le parti in proprio, esclusi i magneti e le membrane, che preferisce acquistare presso le numerose aziende produttrici italiane ed estere.

La produzione è articolata nei settori Hi-Fi, TV, Car-Stereo ed Elettromusicali; il 40% è assorbito dal mercato nazionale ed il 60% dalla esportazione, prevalentemente nei paesi del MEC.

SIPE per autocostruttori ed installatori

La SIPE ha sempre rivolto grande attenzione anche alle esigenze degli autocostruttori, pubblicando, per prima in Italia, i parametri di Small degli altoparlanti anche sui cataloghi rivolti alla rete di vendita al dettaglio.

La continua espansione dell'attività, necessaria per mantenere una buona concorrenzialità in tutti i settori, ha condotto la SIPE a dedicarsi con notevole impegno anche al Car-Stereo, sia di primo (costruttori di auto) che di secondo equipaggiamento (aziende commerciali).

Visto il notevole successo conseguito, oggi la SIPE ha deciso di allargare la sua presenza in questo settore, distribuendo direttamente una serie di coassiali e subwoofer (dotati di filtro) con il suo marchio.

Quanto prima verrà presentato anche un catalogo per installatori di sistemi professionali, che conterrà altoparlanti fino ad oggi prodotti in esclusiva per clienti industriali.

MODEL AS. 101. 42308. 10. Z=8 Ohm HI-FI WOOFER AS 101/20.8

MEASUREMENT CONDITION

- Frequency response: the speaker is mounted on a DIN 45575 baffle
- Microphone distance: 1 m.
- Measuring power: held constantly, is 1W across a DC resistance of nominal impedance
- O level: 60 db
- Potentiometer range: 50 db
- Paper speed: 3 mm/sec.
- Writing speed: 160 mm/sec
- Lower limiting frequency: 20 Hz
- Rectifier response: RMS
- Impedance response: constant current and linear potentiometer

SMALL PARAMETERS

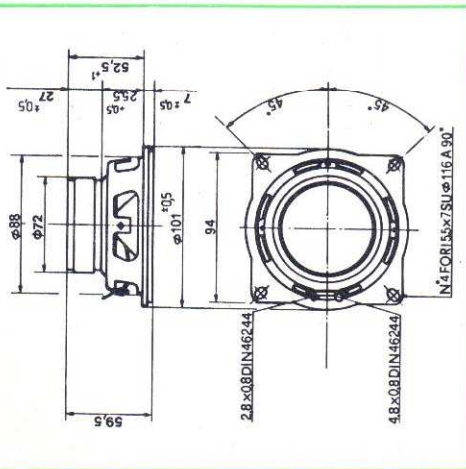
Resonance frequency (fs)	Hz	80
Mechanical efficiency factor (Dms)		5,7
Electrical efficiency factor (Des)		0,44
Total efficiency factor (Qts)		0,41
Moving mass (Mms)	Kg.	4,02.10 ⁻³
Mechanical compliance (Cms)	mN ⁻¹	9,8.10 ⁻⁴
Effective diaphragm diameter (D)	m	0,08
Effective diaphragm area (Sd)	m ²	0,0050
Equivalent air volume (Vas)	m ³	3,4.10 ⁻³
Voice-coil resistance (Re)	Ω	6
Force factor (B-L)	Tm	5,2
Peak displacement of diaphragm (X max)	mm	± 1,15
Reference efficiency (η ₀)	%	0,38
Peak volume displacement of diaphragm (Vd)	m ³	5,7.10 ⁻⁶

ELECTRICAL CHARACTERISTICS

Nominal Impedance	Ω	8
Rated Power DIN 45573	w	20
Music Power	w	40
Upper frequency limit	Hz	4.000
Resonance frequency	Hz	80
Flux density	T	1,05
Total flux	Wb	4,94.10 ⁻⁴

SPECIAL TECHNICAL FEATURES

- Reference efficiency (η₀)
- Peak volume displacement of diaphragm (Vd)



MODEL AS. 130. 42308. 1. Z=8 Ohm HI-FI WOOFER AS 130/20.8

MEASUREMENT CONDITION

- Frequency response: the speaker is mounted on a DIN 45575 baffle
- Microphone distance: 1 m.
- Measuring power: held constantly, is 1W across a DC resistance of nominal impedance
- O level: 60 db
- Potentiometer range: 50 db
- Paper speed: 3 mm/sec.
- Writing speed: 160 mm/sec
- Lower limiting frequency: 20 Hz
- Rectifier response: RMS
- Impedance response: constant current and linear potentiometer

SMALL PARAMETERS

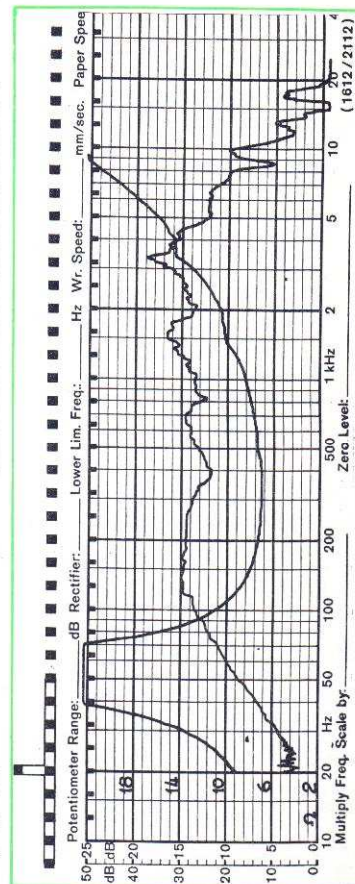
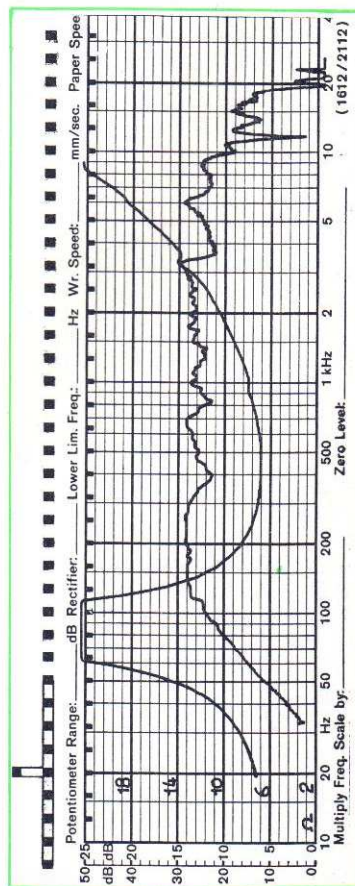
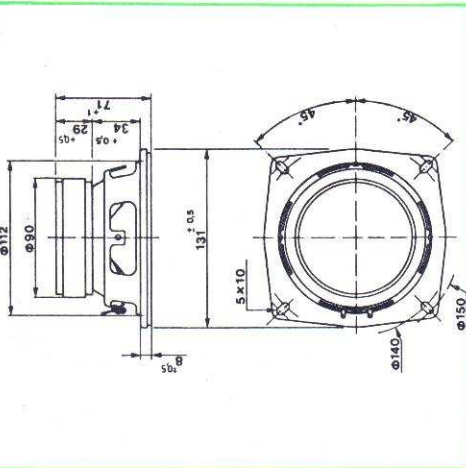
Resonance frequency (fs)	Hz	50
Mechanical efficiency factor (Dms)		6,3
Electrical efficiency factor (Des)		0,43
Total efficiency factor (Qts)		0,4
Moving mass (Mms)	Kg.	6,23.10 ⁻³
Mechanical compliance (Cms)	mN ⁻¹	1,62.10 ⁻³
Effective diaphragm diameter (D)	m	0,104
Effective diaphragm area (Sd)	m ²	0,0085
Equivalent air volume (Vas)	m ³	1,63.10 ⁻²
Voice-coil resistance (Re)	Ω	6
Force factor (B-L)	Tm	5,2
Peak displacement of diaphragm (X max)	mm	± 1,15
Reference efficiency (η ₀)	%	0,45
Peak volume displacement of diaphragm (Vd)	m ³	9,77.10 ⁻⁶

ELECTRICAL CHARACTERISTICS

Nominal Impedance	Ω	8
Rated Power DIN 45573	w	20
Music Power	w	40
Upper frequency limit	Hz	4.000
Resonance frequency	Hz	50
Flux density	T	1,05
Total flux	Wb	4,94.10 ⁻⁴

SPECIAL TECHNICAL FEATURES

- Reference efficiency (η₀)
- Peak volume displacement of diaphragm (Vd)



MODEL AS. 130. 42148. 1. Z=8 Ohm Hi-Fi WOOFER AS. 130/40.8

MEASUREMENT CONDITION

- Frequency response: the speaker is mounted on a DIN 45575 baffle
- Microphone distance: 1 m.
- Measuring power: held constantly, is 1W across a DC resistance of nominal impedance
- O level: 60 db
- Potentiometer range: 50 db
- Paper speed: 3 mm/sec.
- Writing speed: 160 mm/sec
- Lower limiting frequency: 20 Hz
- Rectifier response: RMS
- Impedance response: constant current and linear potentiometer

SMALL PARAMETERS

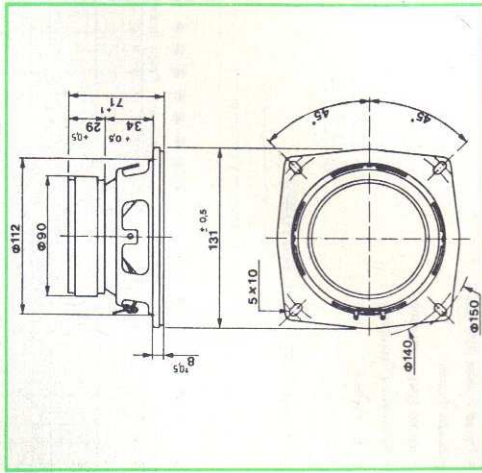
Resonance frequency (fs)	Hz	45
Mechanical efficiency factor (Qms)		2,55
Electrical efficiency factor (Qes)		0,37
Total efficiency factor (Qts)		0,32
Moving mass (Mms)	Kg	$9,5 \cdot 10^{-3}$
Mechanical compliance (Cms)	mN ⁻¹	$1,31 \cdot 10^{-3}$
Effective diaphragm diameter (D)	m	0,104
Effective diaphragm area (Sd)	m ²	0,0085
Equivalent air volume (Vas)	m ³	$1,32 \cdot 10^{-2}$
Voice-coil resistance (Re)	Ω	6,3
Force factor (B-L)	Tm	6,7
Peak displacement of diaphragm (X max)	mm±5	1,2
Reference efficiency (η ₀)	%	0,31
Peak volume displacement of diaphragm (Vd)	m ³	$4,25 \cdot 10^{-5}$

ELECTRICAL CHARACTERISTICS

Nominal Impedance	Ω	8
Rated Power DIN 45573	w	40
Music Power	w	80
Upper frequency limit	Hz	2000
Resonance frequency	Hz	45
Flux density	T	1,2
Total flux	Wb	$2,82 \cdot 10^{-4}$

SPECIAL TECHNICAL FEATURES

Reference efficiency (η ₀)	%	0,31
Peak volume displacement of diaphragm (Vd)	m ³	$4,25 \cdot 10^{-5}$



MODEL AS. 165. 41708. 5. Z=8 Ohm Hi-Fi WOOFER AS 165/30.8

MEASUREMENT CONDITION

- Frequency response: the speaker is mounted on a DIN 45575 baffle
- Microphone distance: 1 m.
- Measuring power: held constantly, is 1W across a DC resistance of nominal impedance
- O level: 60 db
- Potentiometer range: 50 db
- Paper speed: 3 mm/sec.
- Writing speed: 160 mm/sec
- Lower limiting frequency: 20 Hz
- Rectifier response: RMS
- Impedance response: constant current and linear potentiometer

SMALL PARAMETERS

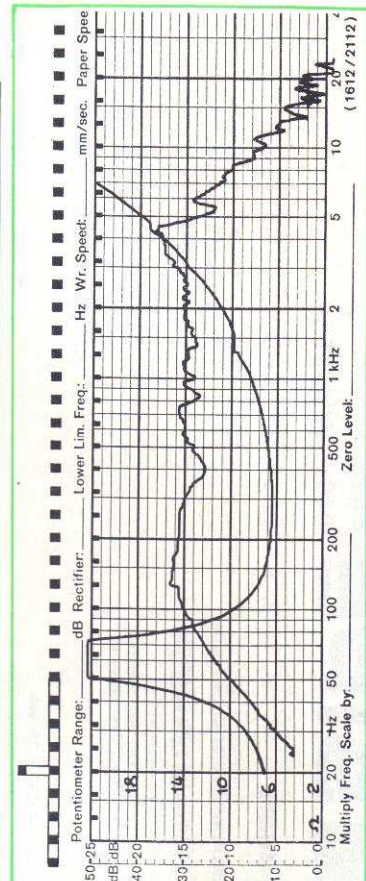
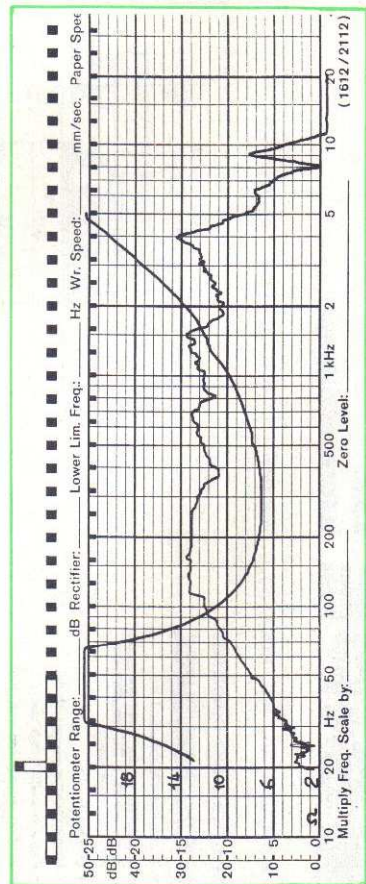
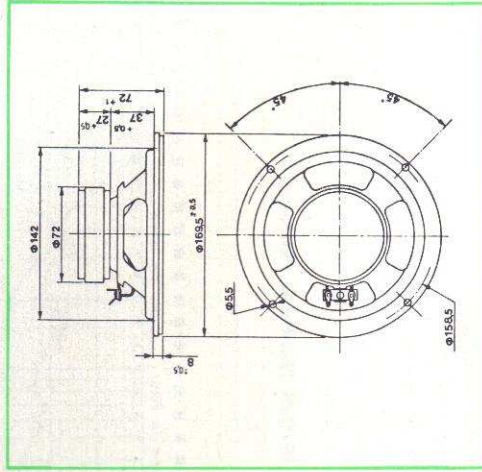
Resonance frequency (fs)	Hz	60
Mechanical efficiency factor (Qms)		4,57
Electrical efficiency factor (Qes)		0,61
Total efficiency factor (Qts)		0,54
Moving mass (Mms)	Kg	$8,5 \cdot 10^{-3}$
Mechanical compliance (Cms)	mN ⁻¹	$0,82 \cdot 10^{-3}$
Effective diaphragm diameter (D)	m	0,131
Effective diaphragm area (Sd)	m ²	$13,4 \cdot 10^{-3}$
Equivalent air volume (Vas)	m ³	$21,10 \cdot 10^{-3}$
Voice-coil resistance (Re)	Ω	6
Force factor (B-L)	Tm	5,6
Peak displacement of diaphragm (X max)	mm±1,15	1,15
Reference efficiency (η ₀)	%	0,71
Peak volume displacement of diaphragm (Vd)	m ³	$1,54 \cdot 10^{-5}$

ELECTRICAL CHARACTERISTICS

Nominal Impedance	Ω	8
Rated Power DIN 45573	w	30
Music Power	w	60
Upper frequency limit	Hz	3.000
Resonance frequency	Hz	60
Flux density	T	0,82
Total flux	Wb	$3,86 \cdot 10^{-4}$

SPECIAL TECHNICAL FEATURES

Reference efficiency (η ₀)	%	0,71
Peak volume displacement of diaphragm (Vd)	m ³	$1,54 \cdot 10^{-5}$



MODEL AS. 170. 42308. 1. Z=8 Ohm Hi-Fi WOOFER AS 170/35.8

MEASUREMENT CONDITION

- Frequency response: the speaker is mounted on a DIN 45575 baffle
- Microphone distance: 1 m.
- Measuring power held constantly, is 1W across a DC resistance of nominal impedance
- O level: 60 db
- Potentiometer range: 50 db
- Paper speed: 3 mm/sec.
- Writing speed: 160 mm/sec
- Lower limiting frequency: 20 Hz
- Rectifier response: RMS
- Impedance response: constant current and linear potentiometer

SMALL PARAMETERS

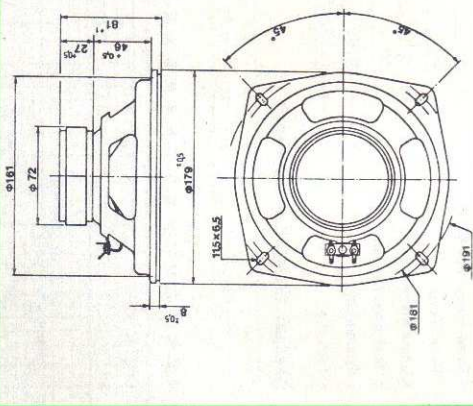
Resonance frequency (fs)	Hz	35
Mechanical efficiency factor (Qms)		6,5
Electrical efficiency factor (Qes)		0,56
Total efficiency factor (Qts)		0,51
Moving mass (Mms)	Kg.	10,8.10 ⁻³
Mechanical compliance (Cms)	mN ⁻¹	19.10 ⁻⁴
Effective diaphragm diameter (D)	m	0,145
Effective diaphragm area (Sd)	m ²	16,5.10 ⁻³
Equivalent air volume (Vas)	m ³	72,5.10 ⁻³
Voice-coil resistance (Re)	Ω	6
Force factor (B L)	Tm	5,2
Peak displacement of diaphragm (X max)	mm	± 1,15
Reference efficiency (η ₀)	%	0,53
Peak volume displacement of diaphragm (Vd)	m ³	1,89.10 ⁻⁵

ELECTRICAL CHARACTERISTICS

Nominal impedance	Ω	8
Rated Power DIN 45573	w	35
Music Power	w	70
Upper frequency limit	Hz	5.000
Resonance frequency	Hz	35
Flux density	T	1,05
Total flux	Wb	4,94.10 ⁻⁴

SPECIAL TECHNICAL FEATURES

- Reference efficiency (η₀)
- Peak volume displacement of diaphragm (Vd)



MODEL AS. 170. 42553. 1. Z=8 Ohm Hi-Fi WOOFER AS 170/40.8

MEASUREMENT CONDITION

- Frequency response: the speaker is mounted on a DIN 45575 baffle
- Microphone distance: 1 m.
- Measuring power held constantly, is 1W across a DC resistance of nominal impedance
- O level: 60 db
- Potentiometer range: 50 db
- Paper speed: 3 mm/sec.
- Writing speed: 160 mm/sec
- Lower limiting frequency: 20 Hz
- Rectifier response: RMS
- Impedance response: constant current and linear potentiometer

SMALL PARAMETERS

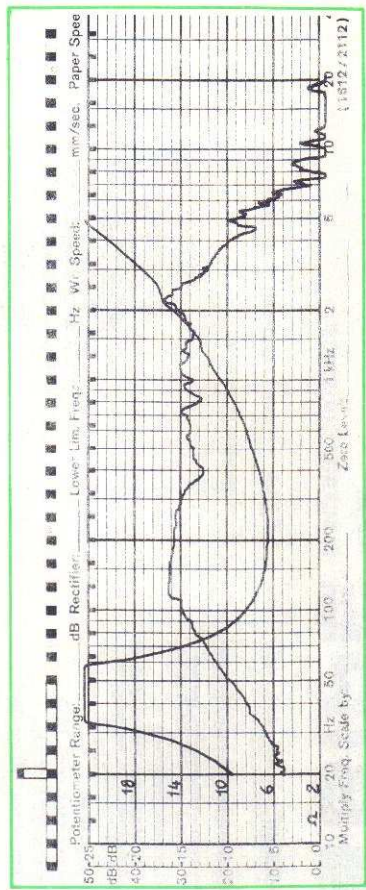
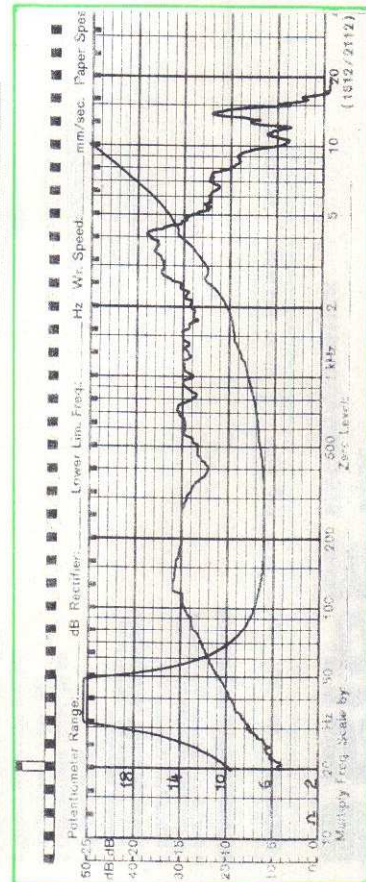
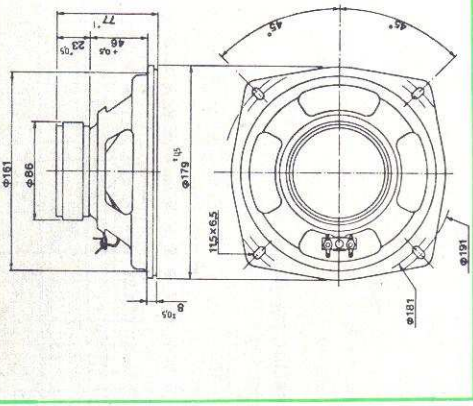
Resonance frequency (fs)	Hz	45
Mechanical efficiency factor (Qms)		4
Electrical efficiency factor (Qes)		0,48
Total efficiency factor (Qts)		0,43
Moving mass (Mms)	Kg.	15,2.10 ⁻³
Mechanical compliance (Cms)	mN ⁻¹	0,82.10 ⁻³
Effective diaphragm diameter (D)	m	0,145
Effective diaphragm area (Sd)	m ²	16,5.10 ⁻³
Equivalent air volume (Vas)	m ³	3,12.10 ⁻²
Voice-coil resistance (Re)	Ω	5,8
Force factor (B L)	Tm	7,2
Peak displacement of diaphragm (X max)	mm	± 3,75
Reference efficiency (η ₀)	%	0,57
Peak volume displacement of diaphragm (Vd)	m ³	6,6.10 ⁻⁵

ELECTRICAL CHARACTERISTICS

Nominal impedance	Ω	8
Rated Power DIN 45573	w	40
Music Power	w	80
Upper frequency limit	Hz	2.000
Resonance frequency	Hz	45
Flux density	T	0,85
Total flux	Wb	4,67.10 ⁻⁴

SPECIAL TECHNICAL FEATURES

- Reference efficiency (η₀)
- Peak volume displacement of diaphragm (Vd)



MODEL AS. 200. 42553. 1. Z=8 Ohm Hi-Fi WOOFER AS 200/40,8

MEASUREMENT CONDITION

- Frequency response: the speaker is mounted on a DIN 45575 baffle
- Microphone distance: 1 m.
- Measuring power, held constantly, is 1W across a DC resistance of nominal impedance
- O level: 60 db
- Potentiometer range: 50 db
- Paper speed: 3 mm/sec.
- Writing speed: 160 mm/sec
- Lower limiting frequency: 20 Hz
- Rectifier response: RMS
- Impedance response: constant current and linear potentiometer

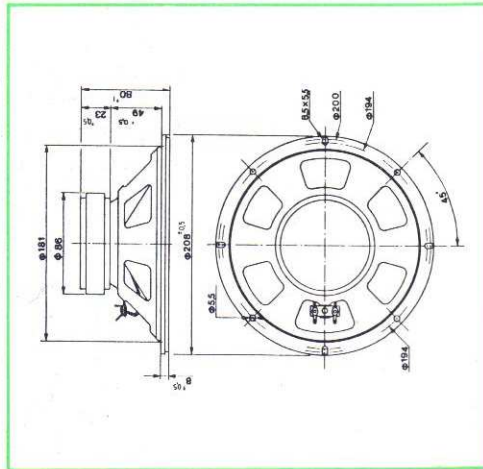
SMALL PARAMETERS

• Resonance frequency (fs)	Hz	30
• Mechanical efficiency factor (Oms)		3,44
• Electrical efficiency factor (Oes)		0,36
• Total efficiency factor (Qts)		0,33

• Moving mass (Mms)	Kg	$18,3 \cdot 10^{-3}$
• Mechanical compliance (Cms)	mN^{-1}	$15,3 \cdot 10^{-4}$
• Effective diaphragm diameter (D)	m	0,169
• Effective diaphragm area (Sd)	m^2	$22,4 \cdot 10^{-3}$
• Equivalent air volume (Vas)	m^3	$108,10^{-3}$
• Voice-coil resistance (Re)	Ω	5,4
• Force factor (B.L)	Tm	7,12
• Peak displacement of diaphragm (X max)	mm	$\pm 3,75$

SPECIAL TECHNICAL FEATURES

- Reference efficiency (η_0) % 0,76
- Peak volume displacement of diaphragm (Vd) m^3 $8,4 \cdot 10^{-5}$

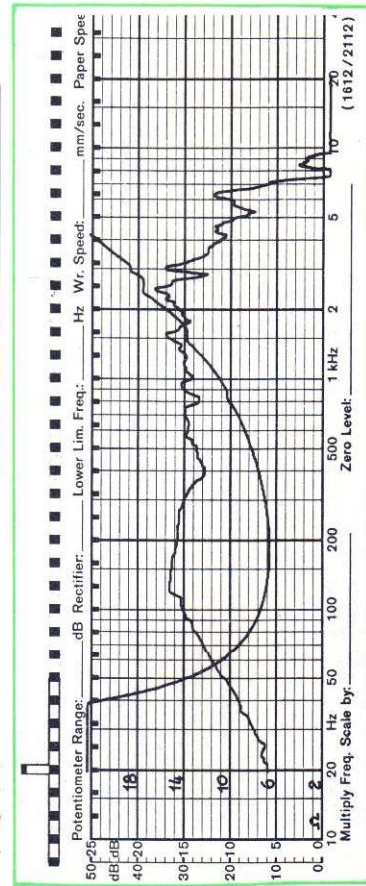


ELECTRICAL CHARACTERISTICS

• Nominal Impedance	Ω	8
• Rated Power DIN 45573	w	40
• Music Power	w	80
• Upper frequency limit	Hz	3.000
• Resonance frequency	Hz	30
• Flux density	T	0,85
• Total flux	Wb	$4,67 \cdot 10^{-4}$

SPECIAL TECHNICAL FEATURES

- Reference efficiency (η_0) % 0,76
- Peak volume displacement of diaphragm (Vd) m^3 $8,4 \cdot 10^{-5}$



MODEL AS. 200. 42573. 1. Z=8 Ohm Hi-Fi WOOFER AS 200/50,8

MEASUREMENT CONDITION

- Frequency response: the speaker is mounted on a DIN 45575 baffle
- Microphone distance: 1 m.
- Measuring power, held constantly, is 1W across a DC resistance of nominal impedance
- O level: 60 db
- Potentiometer range: 50 db
- Paper speed: 3 mm/sec.
- Writing speed: 160 mm/sec
- Lower limiting frequency: 20 Hz
- Rectifier response: RMS
- Impedance response: constant current and linear potentiometer

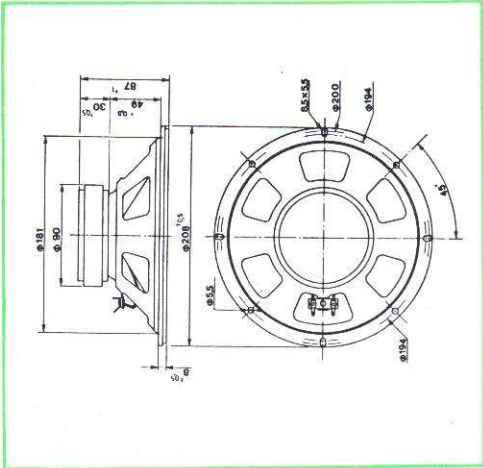
SMALL PARAMETERS

• Resonance frequency (fs)	Hz	30
• Mechanical efficiency factor (Oms)		3,44
• Electrical efficiency factor (Oes)		0,32
• Total efficiency factor (Qts)		0,29

• Moving mass (Mms)	Kg	$18,3 \cdot 10^{-3}$
• Mechanical compliance (Cms)	mN^{-1}	$15,3 \cdot 10^{-4}$
• Effective diaphragm diameter (D)	m	0,169
• Effective diaphragm area (Sd)	m^2	$22,4 \cdot 10^{-3}$
• Equivalent air volume (Vas)	m^3	$108,10^{-3}$
• Voice-coil resistance (Re)	Ω	5,4
• Force factor (B.L)	Tm	7,53
• Peak displacement of diaphragm (X max)	mm	$\pm 3,75$

SPECIAL TECHNICAL FEATURES

- Reference efficiency (η_0) % 0,87
- Peak volume displacement of diaphragm (Vd) m^3 $8,4 \cdot 10^{-5}$

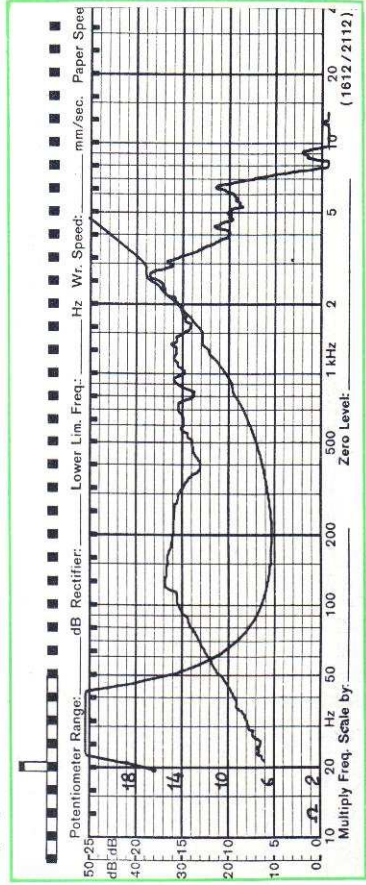


ELECTRICAL CHARACTERISTICS

• Nominal Impedance	Ω	8
• Rated Power DIN 45573	w	50
• Music Power	w	100
• Upper frequency limit	Hz	2.000
• Resonance frequency	Hz	30
• Flux density	T	0,9
• Total flux	Wb	$4,67 \cdot 10^{-4}$

SPECIAL TECHNICAL FEATURES

- Reference efficiency (η_0) % 0,87
- Peak volume displacement of diaphragm (Vd) m^3 $8,4 \cdot 10^{-5}$



MODEL AS. 250. 52913. 1. Z=8 Ohm HI-FI WOOFER AS 250/60.8

MEASUREMENT CONDITION

- Frequency response: the speaker is mounted on a DIN 45575 baffle
- Microphone distance: 1 m.
- Measuring power, held constantly, is 1W across a DC resistance of nominal impedance
- O level: 60 db
- Potentiometer range: 50 db
- Paper speed: 3 mm/sec.
- Writing speed: 160 mm/sec
- Lower limiting frequency: 20 Hz
- Rectifier response: RMS
- Impedance response: constant current and linear potentiometer

SMALL PARAMETERS

• Resonance frequency (fs)	Hz	25
• Mechanical efficiency factor (Qms)		3,68
• Electrical efficiency factor (Qes)		0,45
• Total efficiency factor (Qts)		0,4
• Moving mass (Mms)	kg	$27 \cdot 10^{-3}$
• Mechanical compliance (Cms)	mN ⁻¹	$1,5 \cdot 10^{-3}$
• Effective diaphragm diameter (D)	m	0,205
• Effective diaphragm area (Sd)	m ²	0,033
• Equivalent air volume (Vas)	m ³	0,228
• Voice-coil resistance (Re)	Ω	6
• Force factor (B-L)	Tm	7,5
• Peak displacement of diaphragm (X max)	mm	± 3
• Reference efficiency (ηp)	%	0,76
• Peak volume displacement of diaphragm (Vd)	m ³	$9,9 \cdot 10^{-5}$

ELECTRICAL CHARACTERISTICS

• Nominal Impedance	Ω	8
• Rated Power DIN 45573	w	60
• Music Power	w	120
• Upper frequency limit	Hz	2000
• Resonance frequency	Hz	25
• Flux density	T	0,77
• Total flux	Wb	$6,09 \cdot 10^{-4}$

SPECIAL TECHNICAL FEATURES

• Potentiometer Range: _____ Hz

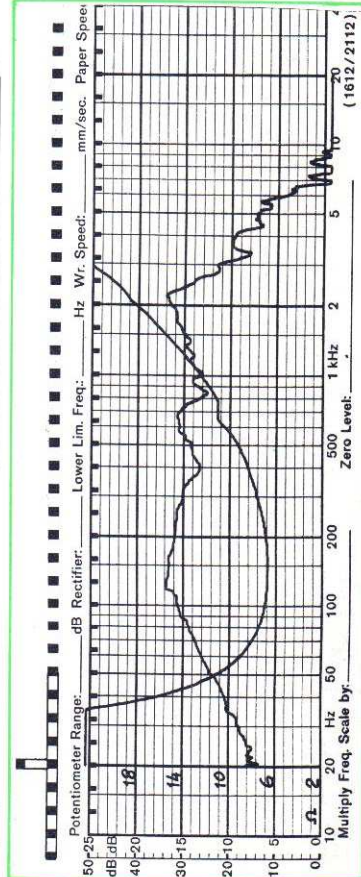
• Lower Lim. Freq.: _____ Hz

• Wr. Speed: _____ mm/sec.

• Paper Speed: _____ mm/sec.

• Zero Level: _____ (1612/2112)

• Multiply Freq. Scale by: _____



MODEL AS. 250. 56603. 5. Z=8 Ohm HI-FI WOOFER AS 250/80.8

MEASUREMENT CONDITION

- Frequency response: the speaker is mounted on a DIN 45575 baffle
- Microphone distance: 1 m.
- Measuring power, held constantly, is 1W across a DC resistance of nominal impedance
- O level: 60 db
- Potentiometer range: 50 db
- Paper speed: 3 mm/sec.
- Writing speed: 160 mm/sec
- Lower limiting frequency: 20 Hz
- Rectifier response: RMS
- Impedance response: constant current and linear potentiometer

SMALL PARAMETERS

• Resonance frequency (fs)	Hz	27
• Mechanical efficiency factor (Qms)		2,6
• Electrical efficiency factor (Qes)		0,36
• Total efficiency factor (Qts)		0,31
• Moving mass (Mms)	kg	$45,6 \cdot 10^{-3}$
• Mechanical compliance (Cms)	mN ⁻¹	$0,76 \cdot 10^{-3}$
• Effective diaphragm diameter (D)	m	0,205
• Effective diaphragm area (Sd)	m ²	0,033
• Equivalent air volume (Vas)	m ³	0,115
• Voice-coil resistance (Re)	Ω	6
• Force factor (B-L)	Tm	11,3
• Peak displacement of diaphragm (X max)	mm	± 7
• Reference efficiency (ηp)	%	0,6
• Peak volume displacement of diaphragm (Vd)	m ³	$2,31 \cdot 10^{-4}$

ELECTRICAL CHARACTERISTICS

• Nominal Impedance	Ω	8
• Rated Power DIN 45573	w	80
• Music Power	w	160
• Upper frequency limit	Hz	600
• Resonance frequency	Hz	27
• Flux density	T	0,9
• Total flux	Wb	$1,017 \cdot 10^{-3}$

SPECIAL TECHNICAL FEATURES

• Potentiometer Range: _____ Hz

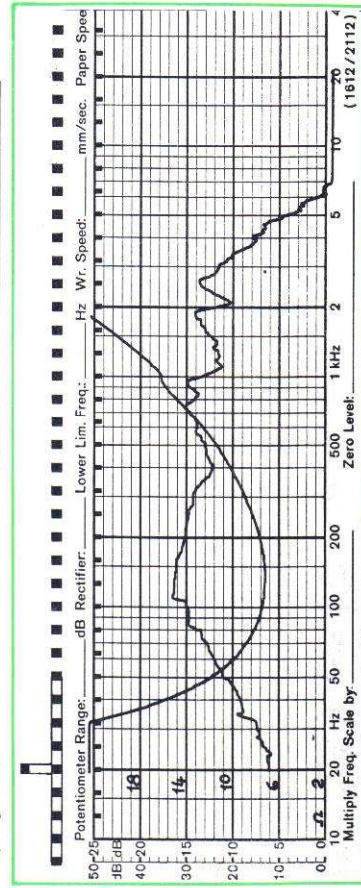
• Lower Lim. Freq.: _____ Hz

• Wr. Speed: _____ mm/sec.

• Paper Speed: _____ mm/sec.

• Zero Level: _____ (1612/2112)

• Multiply Freq. Scale by: _____



MODEL AS. 300. 76708. 1. 2-80Hz

H.F. WOOFER AS. 300/80.B

MEASUREMENT CONDITION

- Frequency response: the speaker is mounted on a DIN 45575 baffle
- Microphone distance: 1 m.
- Measuring power: held constantly, is 1W across a DC resistance of nominal impedance
- Q level: 60 db
- Potentiometer range: 50 db
- Paper speed: 3 mm/sec
- Writing speed: 160 mm/sec
- Lower limiting frequency: 20 Hz
- Rectifier response: RMS
- Impedance response: constant current and linear potentiometer

SMALL PARAMETERS

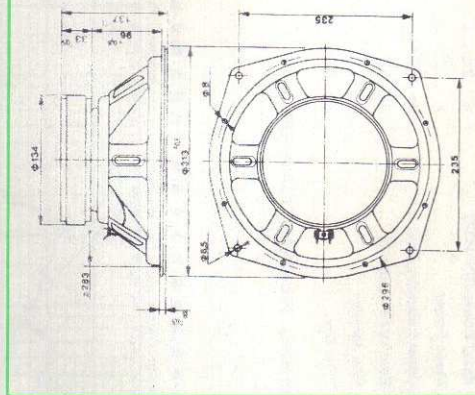
• Resonance frequency (fs)	Hz	18
• Mechanical efficiency factor (Qms)		2,52
• Electrical efficiency factor (Qes)		0,33
• Total efficiency factor (Qts)		0,297
• Moving mass (Mms)	Kg	$59 \cdot 10^{-3}$
• Mechanical compliance (Cms)	mN	$1,26 \cdot 10^{-3}$
• Effective diaphragm diameter (D)	m	0,262
• Effective diaphragm area (Sd)	m ²	0,0538
• Equivalent air volume (Vas)	m ³	0,510
• Voice-coil resistance (Re)	Ω	6,4
• Force factor (B-L)	Tm	11,9
• Peak displacement of diaphragm (X max)	mm	$\pm 7,5$
• Reference efficiency (η_0)	%	1,2
• Peak volume displacement of diaphragm (Vd)	m ³	$4 \cdot 10^{-4}$

ELECTRICAL CHARACTERISTICS

• Nominal Impedance	Ω	8
• Rated Power DIN 45573	w	80
• Music Power	w	160
• Upper frequency limit	Hz	600
• Resonance frequency	Hz	18
• Flux density	T	0,89
• Total flux	Wb	$8,38 \cdot 10^{-4}$

SPECIAL TECHNICAL FEATURES

- Reference efficiency (η_0)
- Peak volume displacement of diaphragm (Vd)



SMALL PARAMETERS

• Resonance frequency (fs)	Hz	16
• Mechanical efficiency factor (Qms)		2,76
• Electrical efficiency factor (Qes)		0,196
• Total efficiency factor (Qts)		0,183
• Moving mass (Mms)	Kg	$88 \cdot 10^{-3}$
• Mechanical compliance (Cms)	mN	$1,12 \cdot 10^{-3}$
• Effective diaphragm diameter (D)	m	0,262
• Effective diaphragm area (Sd)	m ²	0,0538
• Equivalent air volume (Vas)	m ³	0,453
• Voice-coil resistance (Re)	Ω	5,7
• Force factor (B-L)	Tm	16
• Peak displacement of diaphragm (X max)	mm	$\pm 6,35$
• Reference efficiency (η_0)	%	0,91
• Peak volume displacement of diaphragm (Vd)	m ³	$3,41 \cdot 10^{-4}$

ELECTRICAL CHARACTERISTICS

• Nominal Impedance	Ω	8
• Rated Power DIN 45573	w	120
• Music Power	w	260
• Upper frequency limit	Hz	500
• Resonance frequency	Hz	16
• Flux density	T	0,87
• Total flux	Wb	$1,69 \cdot 10^{-3}$

SPECIAL TECHNICAL FEATURES

- Reference efficiency (η_0)
- Peak volume displacement of diaphragm (Vd)

MODEL AS. 300. 712543. 1. 2-80Hz

H.F. WOOFER AS. 300/120.B

MEASUREMENT CONDITION

- Frequency response: the speaker is mounted on a DIN 45575 baffle
- Microphone distance: 1 m.
- Measuring power: held constantly, is 1W across a DC resistance of nominal impedance
- Q level: 60 db
- Potentiometer range: 50 db
- Paper speed: 3 mm/sec
- Writing speed: 160 mm/sec
- Lower limiting frequency: 20 Hz
- Rectifier response: RMS
- Impedance response: constant current and linear potentiometer

SMALL PARAMETERS

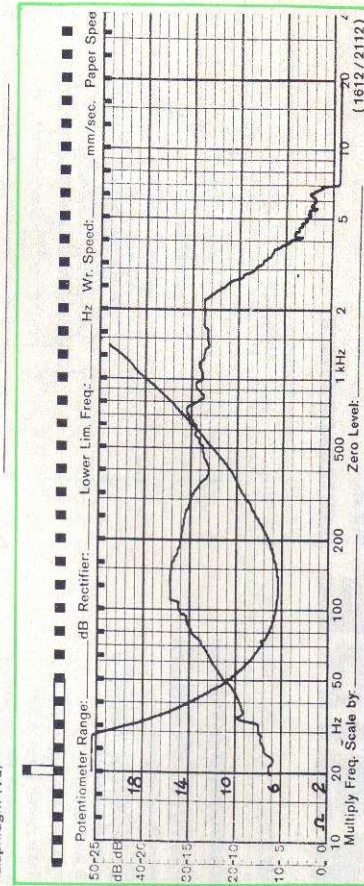
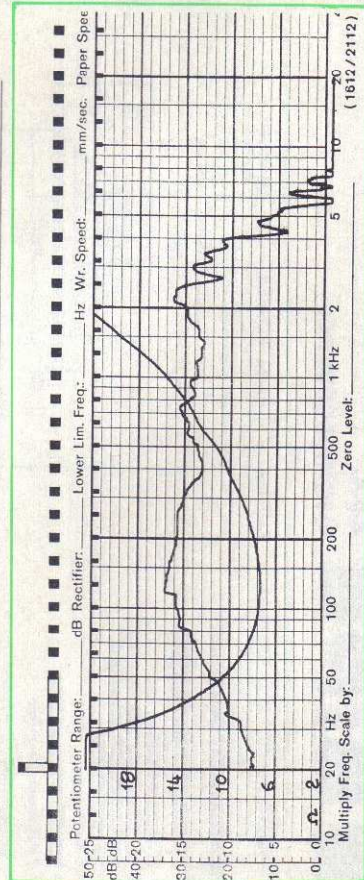
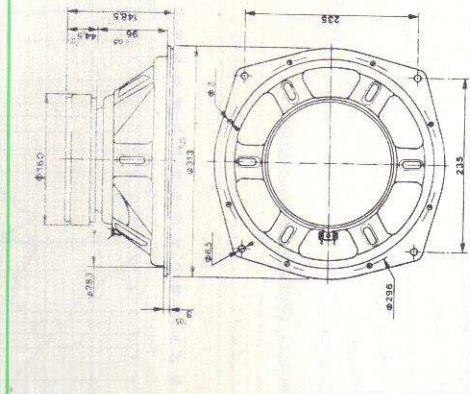
• Resonance frequency (fs)	Hz	16
• Mechanical efficiency factor (Qms)		2,76
• Electrical efficiency factor (Qes)		0,196
• Total efficiency factor (Qts)		0,183
• Moving mass (Mms)	Kg	$88 \cdot 10^{-3}$
• Mechanical compliance (Cms)	mN	$1,12 \cdot 10^{-3}$
• Effective diaphragm diameter (D)	m	0,262
• Effective diaphragm area (Sd)	m ²	0,0538
• Equivalent air volume (Vas)	m ³	0,453
• Voice-coil resistance (Re)	Ω	5,7
• Force factor (B-L)	Tm	16
• Peak displacement of diaphragm (X max)	mm	$\pm 6,35$
• Reference efficiency (η_0)	%	0,91
• Peak volume displacement of diaphragm (Vd)	m ³	$3,41 \cdot 10^{-4}$

ELECTRICAL CHARACTERISTICS

• Nominal Impedance	Ω	8
• Rated Power DIN 45573	w	120
• Music Power	w	260
• Upper frequency limit	Hz	500
• Resonance frequency	Hz	16
• Flux density	T	0,87
• Total flux	Wb	$1,69 \cdot 10^{-3}$

SPECIAL TECHNICAL FEATURES

- Reference efficiency (η_0)
- Peak volume displacement of diaphragm (Vd)



MODEL ASC. 165. 4928. 5. Z=8 Ohm Hi-Fi FULL RANGE ASC 165/25.8

MEASUREMENT CONDITION

- Frequency response: the speaker is mounted on a DIN 45575 baffle
- Microphone distance: 1 m.
- Measuring power: held constantly, is 1W across a DC resistance of nominal impedance
- O level: 60 db
- Potentiometer range: 50 db
- Paper speed: 3 mm/sec.
- Writing speed: 160 mm/sec
- Lower limiting frequency: 20 Hz
- Rectifier response: RMS
- Impedance response: constant current and linear potentiometer

SMALL PARAMETERS

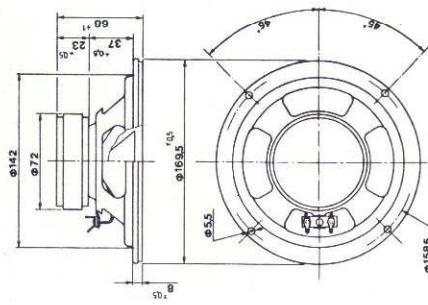
Resonance frequency (fs)	Hz	60
Mechanical efficiency factor (Dms)		6,68
Electrical efficiency factor (Des)		1
Total efficiency factor (Qts)		0,87
Moving mass (Mms)	Kg	$8,2 \cdot 10^{-3}$
Mechanical compliance (Cms)	mN ⁻¹	$0,85 \cdot 10^{-3}$
Effective diaphragm diameter (D)	m	0,131
Effective diaphragm area (Sd)	m ²	$13,4 \cdot 10^{-3}$
Equivalent air volume (Vas)	m ³	$21,8 \cdot 10^{-3}$
Voice-coil resistance (Re)	Ω	6,3
Force factor (B-L)	Tm	4,39
Peak displacement of diaphragm (X max)	mm	$\pm 1,15$
Reference efficiency (η_0)	%	0,45
Peak volume displacement of diaphragm (Vd)	m ³	$1,54 \cdot 10^{-5}$

ELECTRICAL CHARACTERISTICS

Nominal Impedance	Ω	8
Rated Power DIN 45573	w	25
Music Power	w	50
Upper frequency limit	Hz	18.000
Resonance frequency	Hz	60
Flux density	T	0,73
Total flux	Wb	$2,3 \cdot 10^{-4}$

SPECIAL TECHNICAL FEATURES

- Reference efficiency (η_0)
- Peak volume displacement of diaphragm (Vd)



MODEL AMW. 130. 41553. 9. Z=8 Ohm Hi-Fi MDRANGE AMW 130/60.8

MEASUREMENT CONDITION

- Frequency response: the speaker is mounted on a DIN 45575 baffle
- Microphone distance: 1 m.
- Measuring power: held constantly, is 1W across a DC resistance of nominal impedance
- O level: 60 db
- Potentiometer range: 50 db
- Paper speed: 3 mm/sec.
- Writing speed: 160 mm/sec
- Lower limiting frequency: 20 Hz
- Rectifier response: RMS
- Impedance response: constant current and linear potentiometer

SMALL PARAMETERS

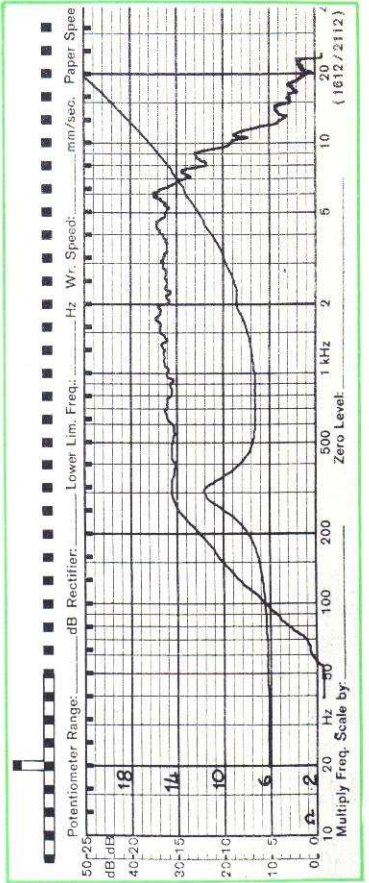
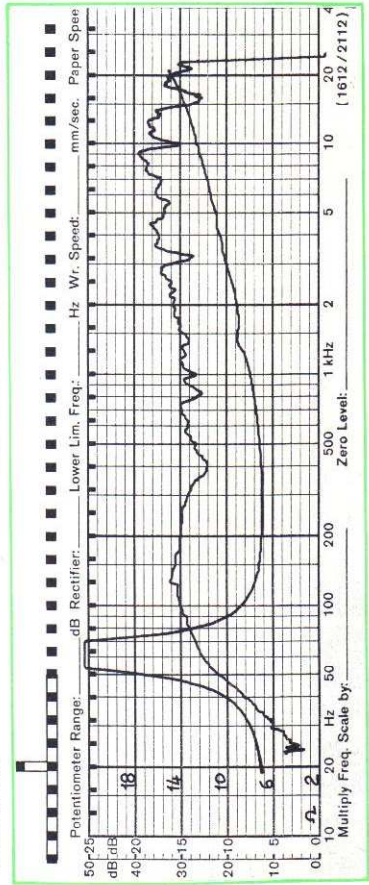
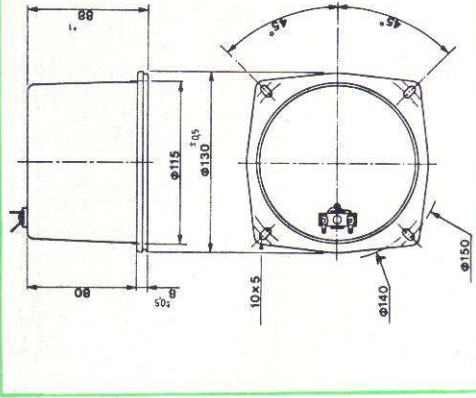
Resonance frequency (fs)	Hz	320
Mechanical efficiency factor (Dms)		1,97
Electrical efficiency factor (Des)		1,79
Total efficiency factor (Qts)		0,93
Moving mass (Mms)	Kg	$4,5 \cdot 10^{-3}$
Mechanical compliance (Cms)	mN ⁻¹	$54,9 \cdot 10^{-6}$
Effective diaphragm diameter (D)	m	0,104
Effective diaphragm area (Sd)	m ²	$85 \cdot 10^{-4}$
Equivalent air volume (Vas)	m ³	$5,5 \cdot 10^{-4}$
Voice-coil resistance (Re)	Ω	6
Force factor (B-L)	Tm	5,5
Peak displacement of diaphragm (X max)	mm	1,1
Reference efficiency (η_0)	%	0,97
Peak volume displacement of diaphragm (Vd)	m ³	$3,45 \cdot 10^{-4}$

ELECTRICAL CHARACTERISTICS

Nominal Impedance	Ω	8
Rated Power DIN 45573	w	60 **
Music Power	w	
Upper frequency limit	Hz	5.000
Resonance frequency	Hz	320
Flux density	T	1,1
Total flux	Wb	$3,45 \cdot 10^{-4}$

SPECIAL TECHNICAL FEATURES

- Reference efficiency (η_0)
- Peak volume displacement of diaphragm (Vd)
- **with 2° order crossover network at 750 Hz





S.p.A.
ELECTROACOUSTICS



S.p.A.
ELECTROACOUSTICS

MODEL DM. 39. 1. Z=8 Ohm

HI-FI DOME MIDRANGE DM 39/80.8

MEASUREMENT CONDITION

- Frequency response: the speaker is mounted on a DIN 45573 baffle
- Microphone distance: 1 m.
- Measuring power: held constantly, is 1W across a DC resistance of nominal impedance
- O level: 60 db
- Potentiometer range: 50 db
- Paper speed: 3 mm/sec.
- Writing speed: 160 mm/sec
- Lower limiting frequency: 20 Hz
- Rectifier response: RMS
- Impedance response: constant current and linear potentiometer

SMALL PARAMETERS

• Resonance frequency (fs)	Hz	480
• Mechanical efficiency factor (Oms)		3,05
• Electrical efficiency factor (Oes)		0,81
• Total efficiency factor (Ots)		0,64

• Moving mass (Mms)	Kg.	$2,3 \cdot 10^{-3}$
• Mechanical compliance (Cms)	mN^{-1}	$47,8 \cdot 10^{-6}$
• Effective diaphragm diameter (D)	m	0,043
• Effective diaphragm area (Sd)	m ²	$14,5 \cdot 10^{-4}$
• Equivalent air volume (Vas)	m ³	$14,1 \cdot 10^{-6}$
• Voice-coil resistance (Re)	Ω	5,4
• Force factor (B-L)	Tm	6,79
• Peak displacement of diaphragm (X max)	mm	/

SPECIAL TECHNICAL FEATURES

- Reference efficiency (η_0) % 0,185
- Peak volume displacement of diaphragm (Vd) m³ /
- **with 2° order crossover network at 680 Hz

MEASUREMENT CONDITION

- Frequency response: the speaker is mounted on a DIN 45573 baffle
- Microphone distance: 1 m.
- Measuring power: held constantly, is 1W across a DC resistance of nominal impedance
- O level: 60 db
- Potentiometer range: 50 db
- Paper speed: 3 mm/sec.
- Writing speed: 160 mm/sec
- Lower limiting frequency: 20 Hz
- Rectifier response: RMS
- Impedance response: constant current and linear potentiometer

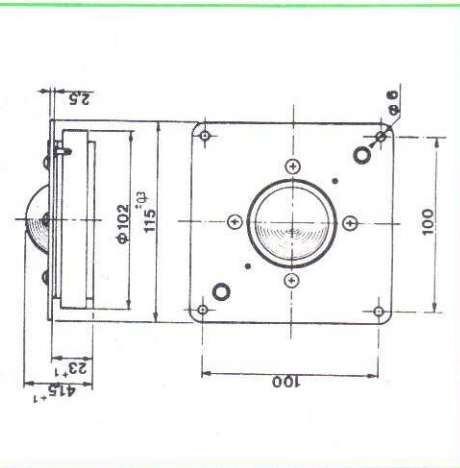
SMALL PARAMETERS

• Resonance frequency (fs)	Hz	430
• Mechanical efficiency factor (Oms)		3,93
• Electrical efficiency factor (Oes)		1,07
• Total efficiency factor (Ots)		0,84

• Moving mass (Mms)	Kg.	$2,87 \cdot 10^{-3}$
• Mechanical compliance (Cms)	mN^{-1}	$47,7 \cdot 10^{-6}$
• Effective diaphragm diameter (D)	m	0,057
• Effective diaphragm area (Sd)	m ²	$25,5 \cdot 10^{-4}$
• Equivalent air volume (Vas)	m ³	$43,5 \cdot 10^{-6}$
• Voice-coil resistance (Re)	Ω	6
• Force factor (B-L)	Tm	6,57
• Peak displacement of diaphragm (X max)	mm	/

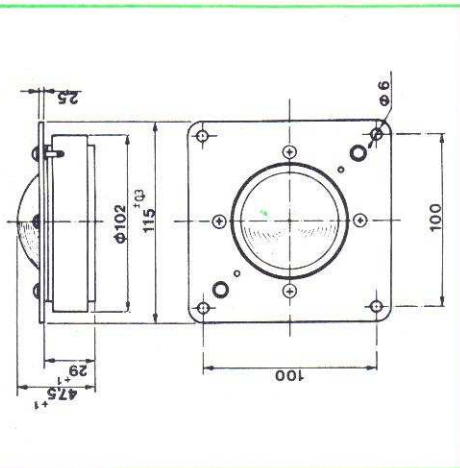
SPECIAL TECHNICAL FEATURES

- Reference efficiency (η_0) % 0,31
- Peak volume displacement of diaphragm (Vd) m³ /
- **with 2° order crossover network at 580 Hz



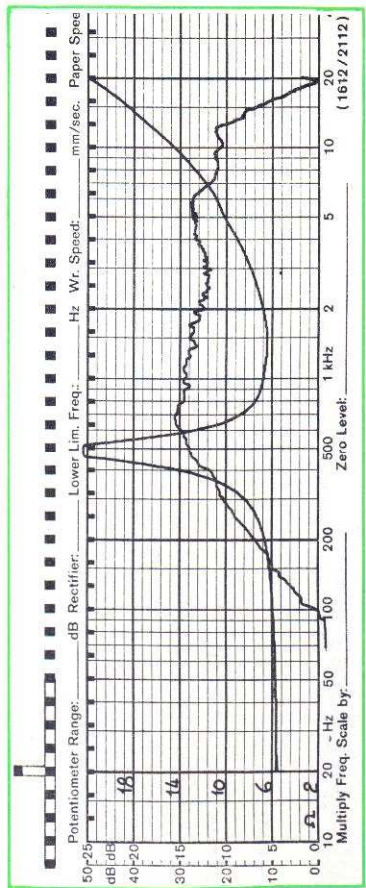
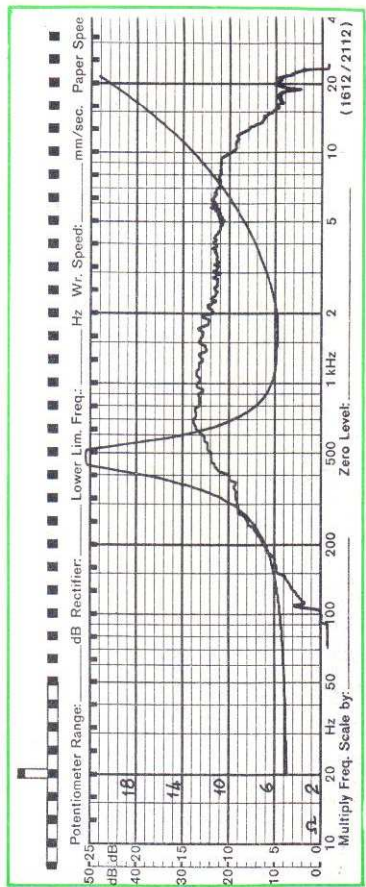
MODEL DM. 50. 1. Z=8 Ohm

HI-FI DOME MIDRANGE DM 50/100.8



ELECTRICAL CHARACTERISTICS

• Nominal impedance	Ω	8
• Rated Power DIN 45573	w	100 **
• Music Power	w	/
• Upper frequency limit	Hz	4,000
• Resonance frequency	Hz	430
• Flux density	T	1,1
• Total flux	Wb	$5,18 \cdot 10^{-4}$



MODEL AT. 70. 1383. 1. Z=8 Ohm HI-FI TWEETER AT 70/30.8

MEASUREMENT CONDITION

- Frequency response: the speaker is mounted on a DIN 48575 baffle
- Microphone distance: 1 m.
- Measuring power: held constantly, is 1W across a DC resistance of nominal impedance
- O level: 80 db
- Potentiometer range: 50 db
- Paper speed: 3 mm/sec.
- Writing speed: 160 mm/sec
- Lower limiting frequency: 20 Hz
- Rectifier response: RMS
- Impedance response: constant current and linear potentiometer

SMALL PARAMETERS

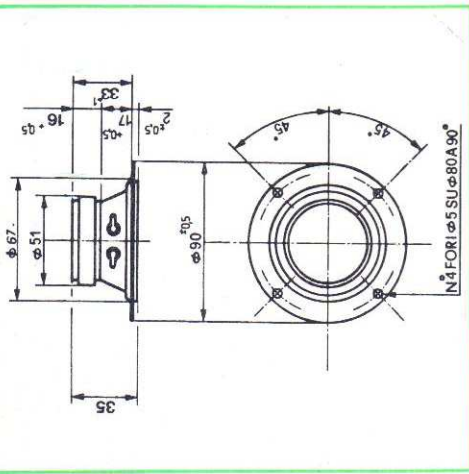
• Resonance frequency (fs)	Hz	1.000
• Mechanical efficiency factor (Qms)		3,56
• Electrical efficiency factor (Qes)		3,9
• Total efficiency factor (Qts)		1,87

ELECTRICAL CHARACTERISTICS

• Nominal Impedance	Ω	8
• Rated Power DIN 45573	w	30*/60**
• Music Power	w	
• Upper frequency limit	Hz	20.000
• Resonance frequency	Hz	1.000
• Flux density	T	1,05
• Total flux	Wb	1,43·10 ⁻⁴

SPECIAL TECHNICAL FEATURES

- Reference efficiency (η_0)
- Peak volume displacement of diaphragm (Vd)
- **with 2° order crossover network at 4000 Hz



MODEL ATW. 70. 1383. 4. Z=8 Ohm HI-FI TWEETER ATW 70/35.8

MEASUREMENT CONDITION

- Frequency response: the speaker is mounted on a DIN 48575 baffle
- Microphone distance: 1 m.
- Measuring power: held constantly, is 1W across a DC resistance of nominal impedance
- O level: 80 db
- Potentiometer range: 50 db
- Paper speed: 3 mm/sec.
- Writing speed: 160 mm/sec
- Lower limiting frequency: 20 Hz
- Rectifier response: RMS
- Impedance response: constant current and linear potentiometer

SMALL PARAMETERS

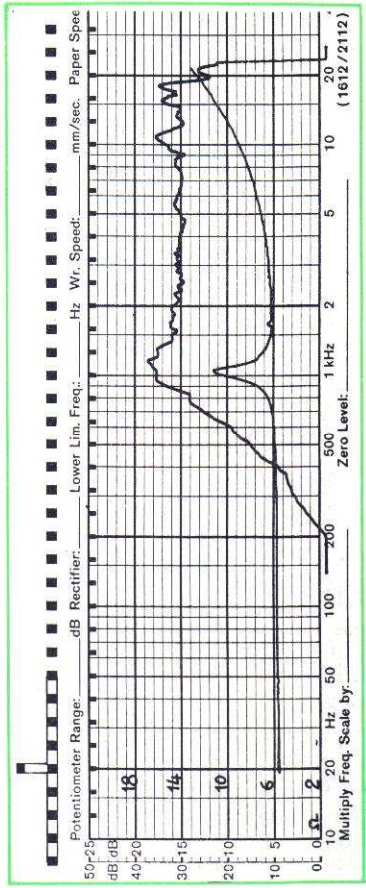
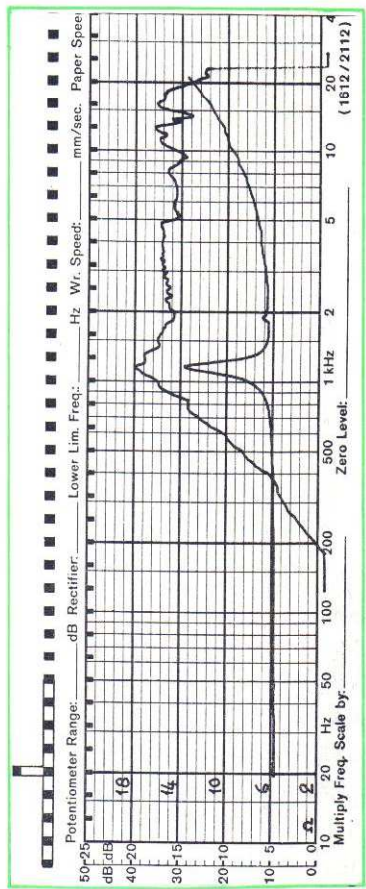
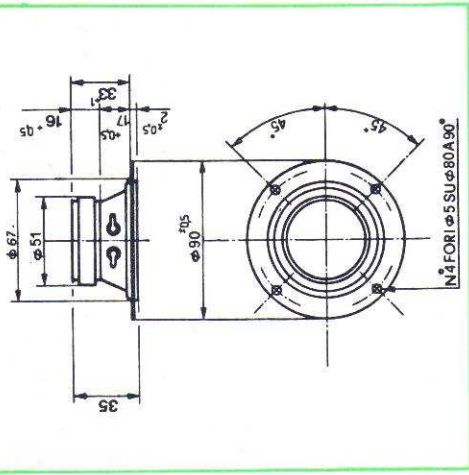
• Resonance frequency (fs)	Hz	1.150
• Mechanical efficiency factor (Qms)		4,84
• Electrical efficiency factor (Qes)		2,4
• Total efficiency factor (Qts)		1,6

ELECTRICAL CHARACTERISTICS

• Nominal Impedance	Ω	8
• Rated Power DIN 45573	w	35*/70**
• Music Power	w	
• Upper frequency limit	Hz	20.000
• Resonance frequency	Hz	1.150
• Flux density	T	1,05
• Total flux	Wb	1,43·10 ⁻⁴

SPECIAL TECHNICAL FEATURES

- Reference efficiency (η_0)
- Peak volume displacement of diaphragm (Vd)
- **with 2° order crossover network at 3200 Hz



MODEL DT. 25. 1. Z=8 Ohm

HI-FI DOME TWEETER DT 25/40.8RT

MEASUREMENT CONDITION

- Frequency response: the speaker is mounted on a DIN 45575 baffle
- Microphone distance: 1 m.
- Measuring power, held constantly, is 1W across a DC resistance of nominal impedance
- 0 level: 60 db
- Potentiometer range: 50 db
- Paper speed: 3 mm/sec.
- Writing speed: 160 mm/sec
- Lower limiting frequency: 20 Hz
- Rectifier response: RMS
- Impedance response: constant current and linear potentiometer

SMALL PARAMETERS

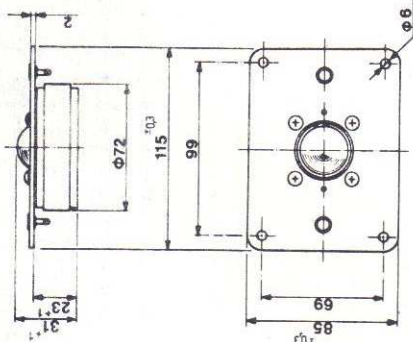
Resonance frequency (fs)	Hz	1.000
Mechanical efficiency factor (Qms)		5,79
Electrical efficiency factor (Qes)		1,22
Total efficiency factor (Qts)		1
Moving mass (Mms)	Kg	0,295.10 ⁻³
Mechanical compliance (Cms)	mN ⁻¹	85.10 ⁻⁶
Effective diaphragm diameter (D)	m	0,029
Effective diaphragm area (Sd)	m ²	6,6.10 ⁻⁴
Equivalent air volume (Vas)	m ³	5,2.10 ⁻⁶
Voice-coil resistance (Re)	Ω	6,3
Force factor (B-L)	Tm	3,08
Peak displacement of diaphragm (X max)	mm	/

ELECTRICAL CHARACTERISTICS

Nominal Impedance	Ω	8
Rated Power DIN 45573	w	40 * /80**
Music Power	w	28.000
Upper frequency limit	Hz	1.000
Resonance frequency	Hz	1,58
Flux density	T	1,58
Total flux	Wb	3,1.10 ⁻⁴

SPECIAL TECHNICAL FEATURES

- Reference efficiency (ηp) % 0,41
- Peak volume displacement of diaphragm (Vd) m³ /
- with 2^o order crossover network at 3500 Hz
- **with 2^o order crossover network at 5000 Hz



MODEL DT. 25. 1M. Z=8 Ohm

HI-FI DOME TWEETER DT 25/40.8PRT

MEASUREMENT CONDITION

- Frequency response: the speaker is mounted on a DIN 45575 baffle
- Microphone distance: 1 m.
- Measuring power, held constantly, is 1W across a DC resistance of nominal impedance
- 0 level: 60 db
- Potentiometer range: 50 db
- Paper speed: 3 mm/sec.
- Writing speed: 160 mm/sec
- Lower limiting frequency: 20 Hz
- Rectifier response: RMS
- Impedance response: constant current and linear potentiometer

SMALL PARAMETERS

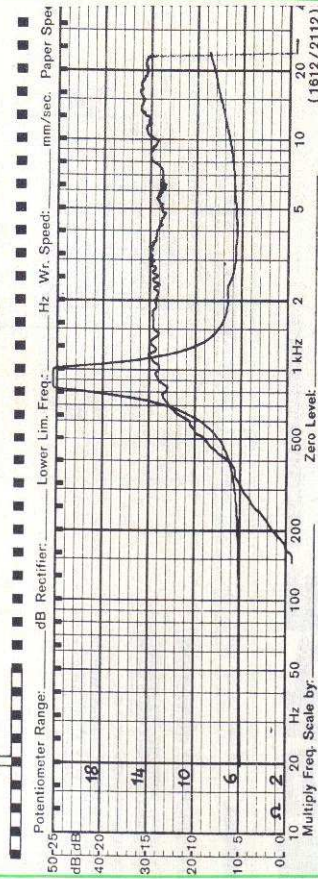
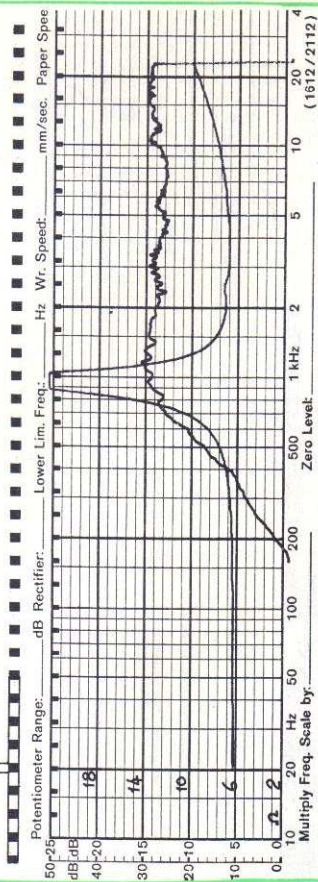
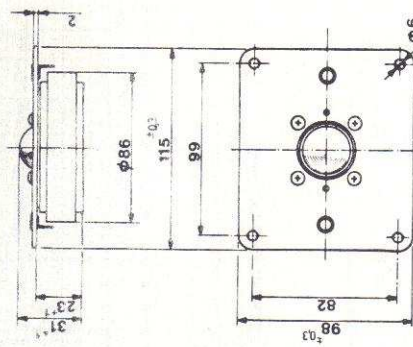
Resonance frequency (fs)	Hz	900
Mechanical efficiency factor (Qms)		4,78
Electrical efficiency factor (Qes)		0,96
Total efficiency factor (Qts)		0,8
Moving mass (Mms)	Kg	0,295.10 ⁻³
Mechanical compliance (Cms)	mN ⁻¹	106.10 ⁻⁶
Effective diaphragm diameter (D)	m	0,029
Effective diaphragm area (Sd)	m ²	6,6.10 ⁻⁴
Equivalent air volume (Vas)	m ³	6,4.10 ⁻⁶
Voice-coil resistance (Re)	Ω	6,3
Force factor (B-L)	Tm	3,3
Peak displacement of diaphragm (X max)	mm	/

ELECTRICAL CHARACTERISTICS

Nominal Impedance	Ω	8
Rated Power DIN 45573	w	60*/120**
Music Power	w	28.000
Upper frequency limit	Hz	900
Resonance frequency	Hz	1,7
Flux density	T	1,7
Total flux	Wb	3,33.10 ⁻⁴

SPECIAL TECHNICAL FEATURES

- Reference efficiency (ηp) % 0,47
- Peak volume displacement of diaphragm (Vd) m³ /
- with 2^o order crossover network at 3500 Hz
- **with 2^o order crossover network at 5000Hz



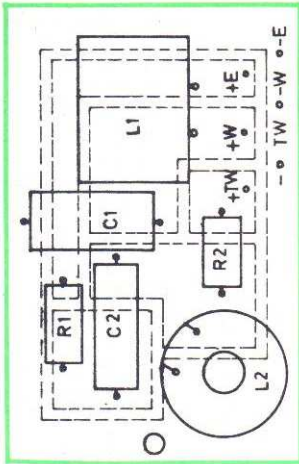
MODEL X 353/6 HI-FI CROSSOVER NETWORK

ELECTRICAL CHARACTERISTICS:

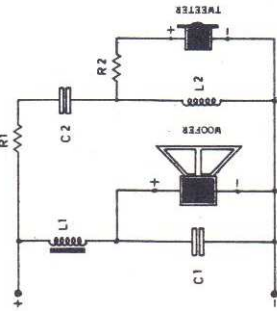
NOMINAL IMPEDANCE: 8 Ohm
 CROSSOVER FREQUENCY: 2500 Hz
 POWER INPUT : 35 - 70 W

ELECTRICAL COMPONENTS:

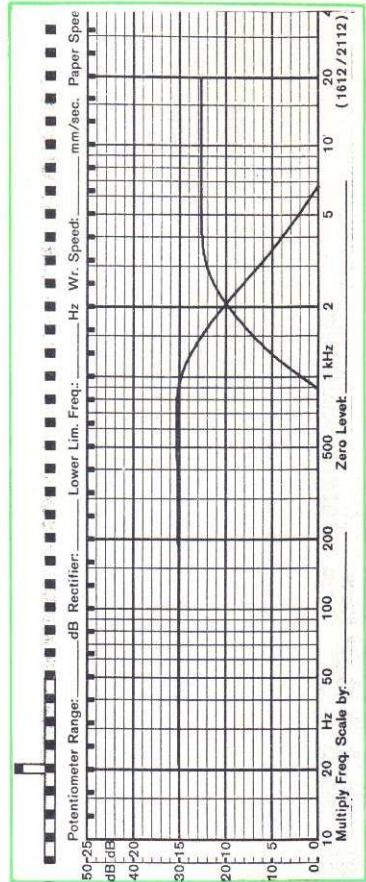
L1= 1 mH
 L2= 0,55 mH
 C1= 15 µF
 C2= 4,7 µF
 R1= 2,2 ohm
 R2= 4,7 ohm



SCHEMATIC DIAGRAM:



**FREQUENCY RESPONSE :
 RESISTIVE LOAD MEASUREMENTS:**



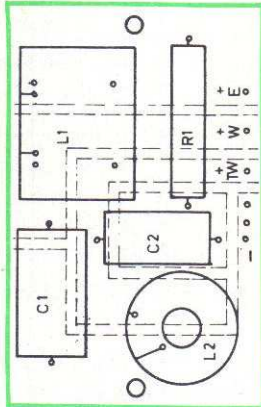
MODEL X 310/6 HI-FI CROSSOVER NETWORK

ELECTRICAL CHARACTERISTICS:

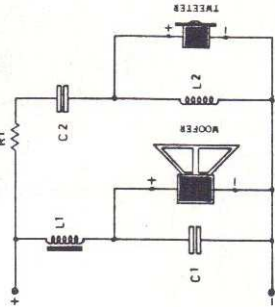
NOMINAL IMPEDANCE: 8 Ohm
 CROSSOVER FREQUENCY: 1500 Hz
 POWER INPUT : 40 - 80 W

ELECTRICAL COMPONENTS:

L1= 2 mH
 L2= 0,28 mH
 C1= 33 µF
 C2= 15 µF
 R1= 6,8 ohm



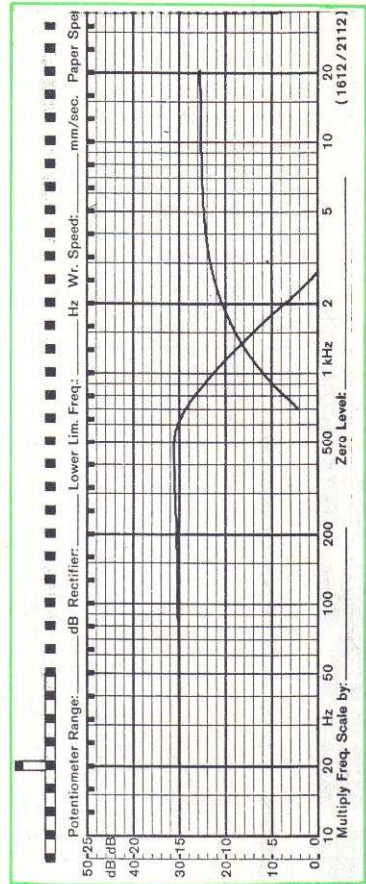
SCHEMATIC DIAGRAM:



CONNECTION:

RED: POSITIVE - WOOFER
 BROWN: NEGATIVE
 AZURE: POSITIVE - TWEETER
 GREEN: NEGATIVE - TWEETER

**FREQUENCY RESPONSE:
 RESISTIVE LOAD MEASUREMENTS:**



MODEL X 246/6 HI-FI CROSSOVER NETWORK

ELECTRICAL CHARACTERISTICS:

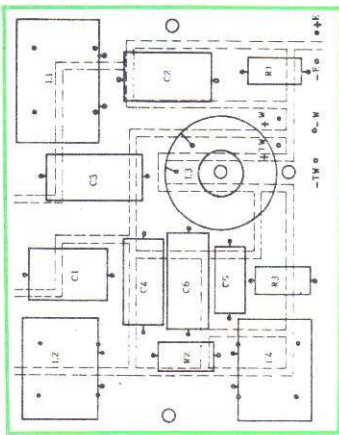
NOMINAL IMPEDANCE: 8 Ohm
 CROSSOVER FREQUENCY: 2000Hz
 POWER INPUT: 40 - 80 W

ELECTRICAL COMPONENTS:

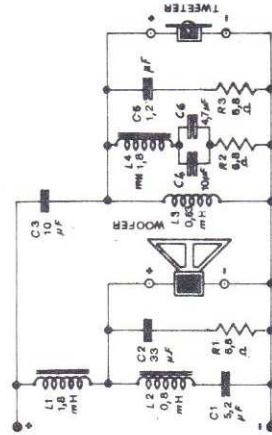
- L1= 1,8 mH
- L2= 0,8 mH
- L3= 0,63 mH
- L4= 1,8 mH
- C1= 5,2 μF
- C2= 33 μF
- C3= 10 μF
- C4= 10 μF
- C5= 1,2 μF
- R1= 6,8 ohm
- R2= 6,8 ohm
- R3= 6,8 ohm
- C6= 4,7 uF

CONNECTION:

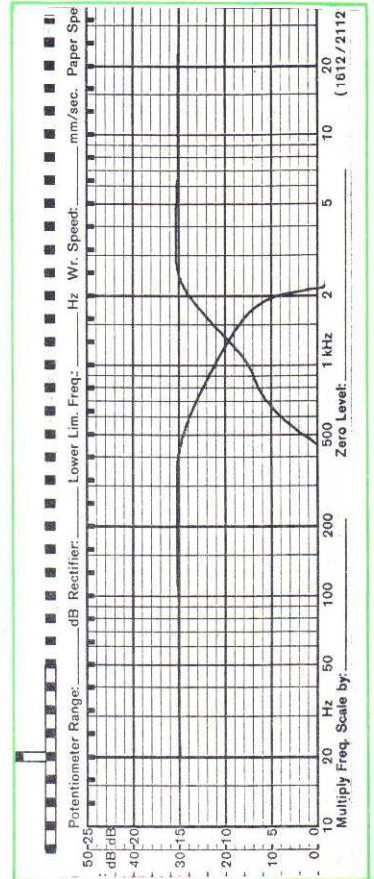
- RED: POSITIVE - WOOFER
- BROWN: NEGATIVE - WOOFER
- AZURE: POSITIVE - TWEETER
- GREEN: NEGATIVE - TWEETER



SCHEMATIC DIAGRAM:



FREQUENCY RESPONSE: RESISTIVE LOAD MEASUREMENTS:



MODEL X 305/6 HI-FI CROSSOVER NETWORK

ELECTRICAL CHARACTERISTICS:

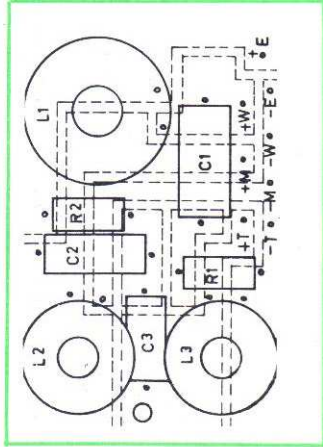
NOMINAL IMPEDANCE: 8 Ohm
 CROSSOVER FREQUENCY: 3000/10000 Hz
 POWER INPUT: 35 - 70 W

ELECTRICAL COMPONENTS:

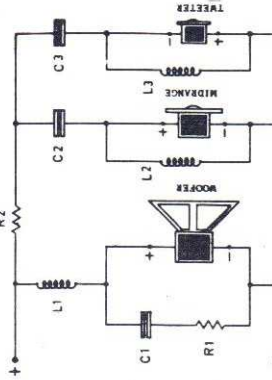
- L1= 0,8 mH
- L2= 0,45 mH
- L3= 0,17 mH
- C1= 15 μF
- C2= 6,8 μF
- C3= 1,5 μF
- R1= 4,7 ohm
- R2= 1,2 ohm

CONNECTION:

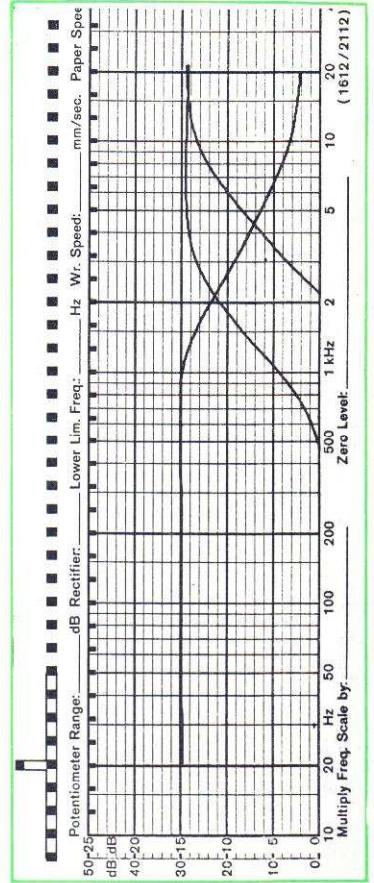
- RED: POSITIVE - WOOFER
- BROWN: NEGATIVE - WOOFER
- YELLOW: POSITIVE - MIDRANGE
- ORANGE: NEGATIVE - MIDRANGE
- AZURE: POSITIVE - TWEETER
- GREEN: NEGATIVE - TWEETER



SCHEMATIC DIAGRAM:



FREQUENCY RESPONSE: RESISTIVE LOAD MEASUREMENTS:



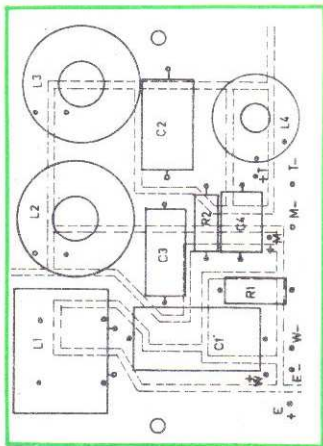
MODEL X 300.1/6 HI-FI CROSSOVER NETWORK

ELECTRICAL CHARACTERISTICS:

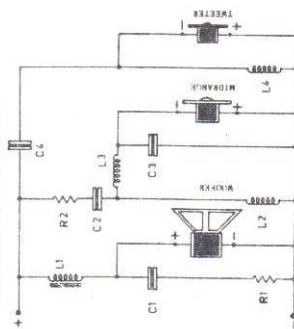
NOMINAL IMPEDANCE: 8 Ohm
 CROSSOVER FREQUENCY: 600/5000 Hz
 POWER INPUT: 40 - 80 W

ELECTRICAL COMPONENTS:

- L1= 2,5 mH
- L2= 2 mH
- L3= 0,55 mH
- L4= 0,28 mH
- C1= 47 µF
- C2= 22 µF
- C3= 10 µF
- C4= 3,3 µF
- R1= 4,7 ohm
- R2= 3,9 ohm



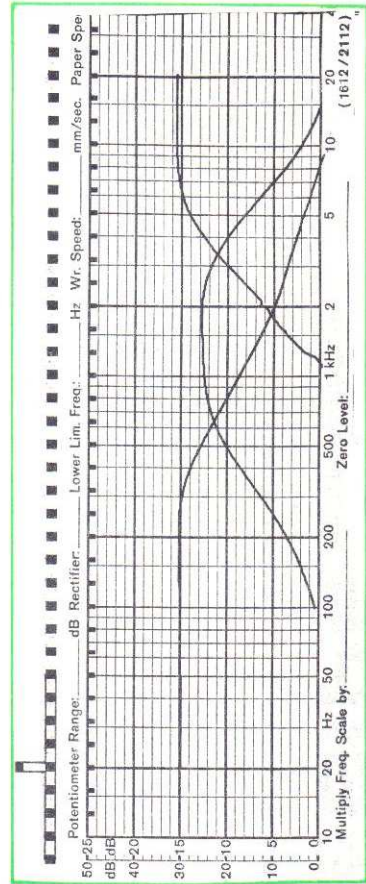
SCHMATIC DIAGRAM:



CONNECTION:

- RED: POSITIVE - WOOFER
- BROWN: NEGATIVE
- YELLOW: POSITIVE - MIDRANGE
- ORANGE: NEGATIVE
- AZURE: POSITIVE - TWEETER
- GREEN: NEGATIVE

FREQUENCY RESPONSE:
 RESISTIVE LOAD MEASUREMENTS:



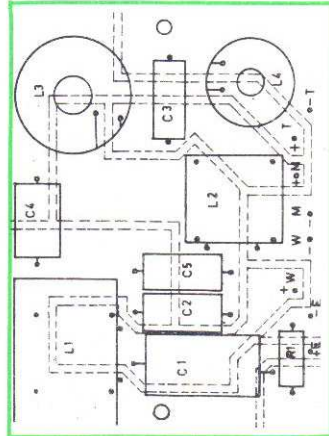
MODEL X 325/6 HI-FI CROSSOVER NETWORK

ELECTRICAL CHARACTERISTICS:

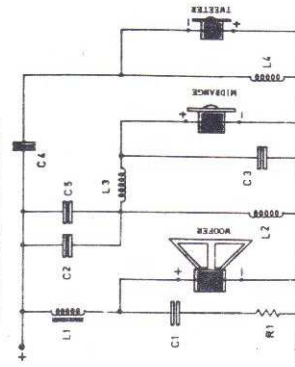
NOMINAL IMPEDANCE: 8 Ohm
 CROSSOVER FREQUENCY: 500/3000 Hz
 POWER INPUT: 60 - 120 W

ELECTRICAL COMPONENTS:

- L1= 3,3 mH
- L2= 1,4 mH
- L3= 0,55 mH
- L4= 0,28 mH
- C1= 68 µF
- C2= 15 µF
- C3= 6,8 µF
- C4= 5,2 µF
- C5= 15 µF
- R1= 0,68 ohm



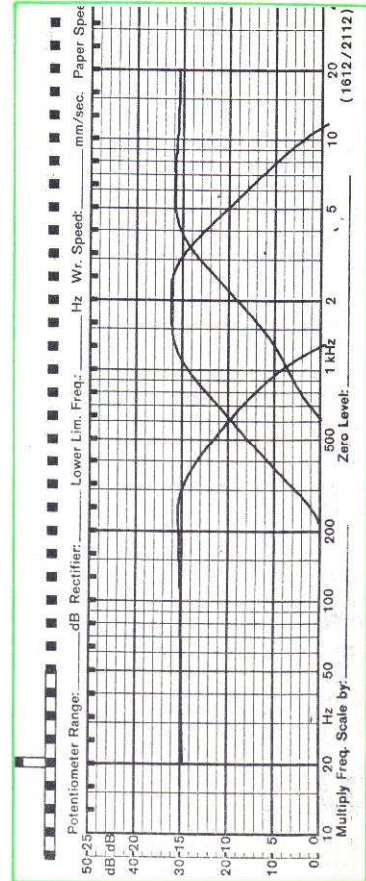
SCHMATIC DIAGRAM:



CONNECTION:

- RED: POSITIVE - WOOFER
- BROWN: NEGATIVE
- YELLOW: POSITIVE - MIDRANGE
- ORANGE: NEGATIVE
- AZURE: POSITIVE - TWEETER
- GREEN: NEGATIVE

FREQUENCY RESPONSE:
 RESISTIVE LOAD MEASUREMENTS:



MODEL X 248/6 HI-FI CROSSOVER NETWORK

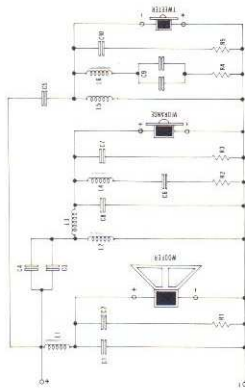
ELECTRICAL CHARACTERISTICS:

NOMINAL IMPEDANCE: 8 Ohm
 CROSSOVER FREQUENCY: 500/3000 Hz
 POWER INPUT: 50 - 100 W

ELECTRICAL COMPONENTS:

- L1= 4 mH C9= 10 µF
- L2= 2,5 mH C10= 1,2 µF
- L3= 0,32 mH C11= 4,7 µF
- L4= 3,3 mH R1= 6,8 ohm
- L5= 0,45 mH R2= 6,8 ohm
- L6= 1,8 mH R3= 6,8 ohm
- C1= 47 µF R4= 6,8 ohm
- C2= 33 µF R5= 6,8 ohm
- C3= 33 µF
- C4= 4,7 µF
- C5= 4,7 µF
- C6= 33 µF
- C7= 6,8 µF
- C8= 4,7 µF

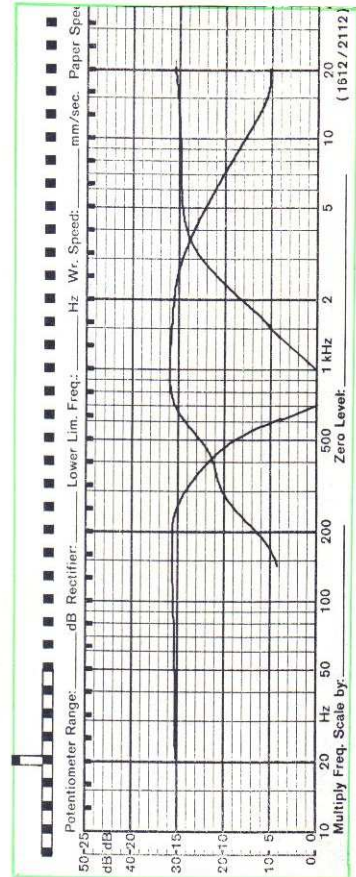
SCHEMATIC DIAGRAM:



CONNECTION:

- RED: POSITIVE - WOOFER
- BROWN: NEGATIVE
- YELLOW: POSITIVE - MIDRANGE
- ORANGE: NEGATIVE
- AZURE: POSITIVE - TWEETER
- GREEN: NEGATIVE

FREQUENCY RESPONSE:
RESISTIVE LOAD MEASUREMENTS:



MODEL x 313/6 HI-FI CROSSOVER NETWORK

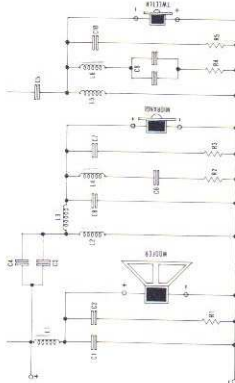
ELECTRICAL CHARACTERISTICS:

NOMINAL IMPEDANCE: 8 Ohm
 CROSSOVER FREQUENCY: 500/3000Hz
 POWER INPUT: 80 - 160 W

ELECTRICAL COMPONENTS:

- L1= 3,3 mH C9= 10 µF
- L2= 2,5 mH C10= 1,2 µF
- L3= 0,32 mH C11= 4,7 µF
- L4= 3,3 mH R1= 6,8 ohm
- L5= 0,45 mH R2= 6,8 ohm
- L6= 1,8 mH R3= 6,8 ohm
- C1= 47 µF R4= 6,8 ohm
- C2= 47 µF R5= 6,8 ohm
- C3= 33 µF
- C4= 4,7 µF
- C5= 4,7 µF
- C6= 33 µF
- C7= 6,8 µF
- C8= 4,7 µF

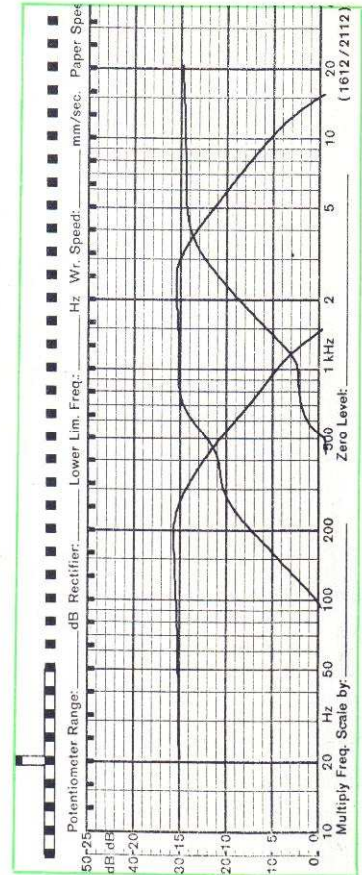
SCHEMATIC DIAGRAM:

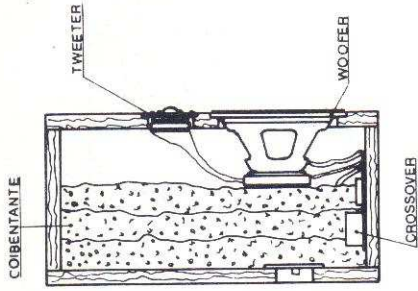


CONNECTION:

- RED: POSITIVE - WOOFER
- BROWN: NEGATIVE
- YELLOW: POSITIVE - MIDRANGE
- ORANGE: NEGATIVE
- AZURE: POSITIVE - TWEETER
- GREEN: NEGATIVE

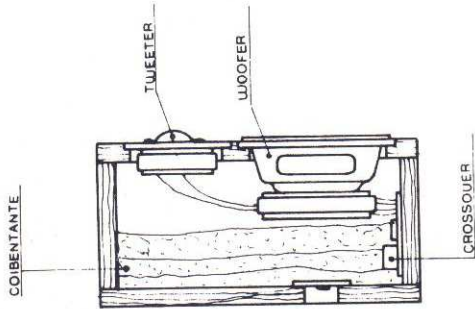
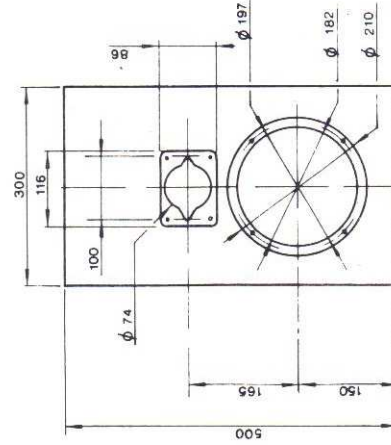
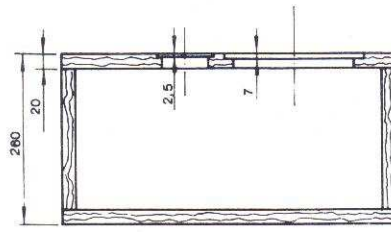
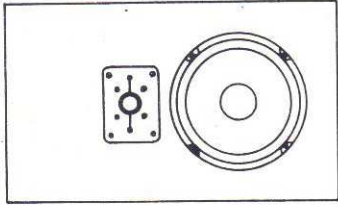
FREQUENCY RESPONSE:
RESISTIVE LOAD MEASUREMENTS:





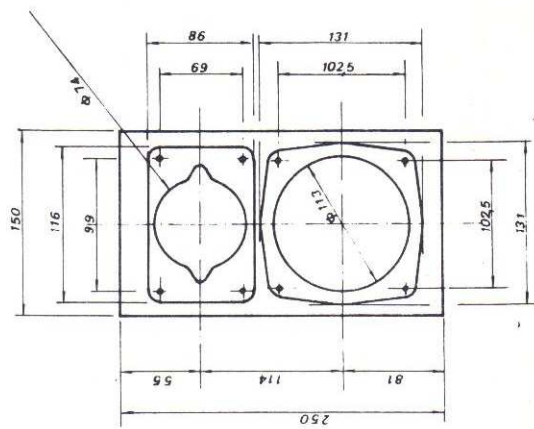
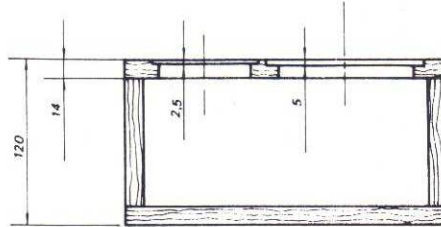
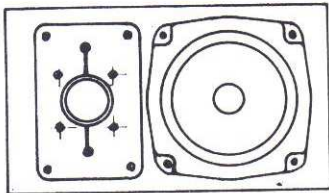
DT.25/40RT

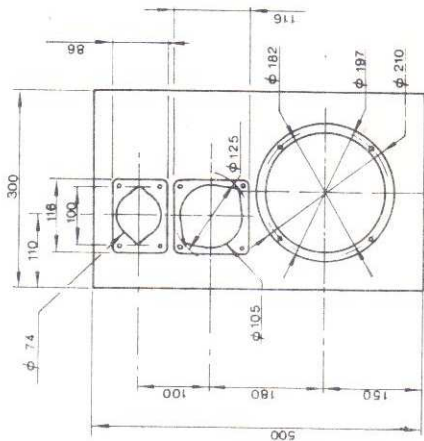
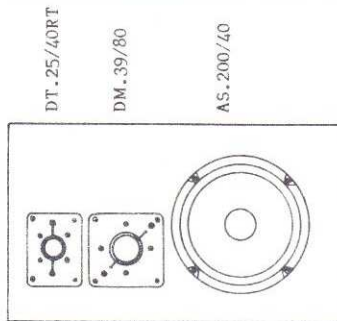
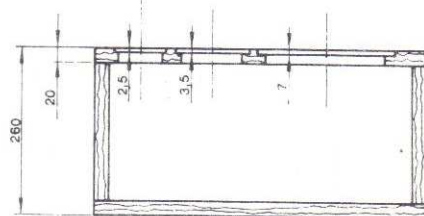
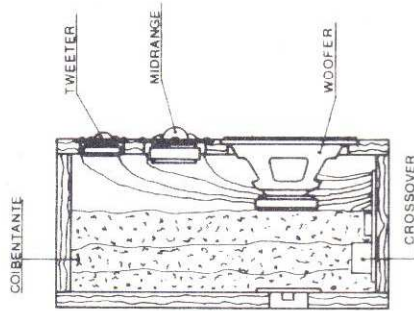
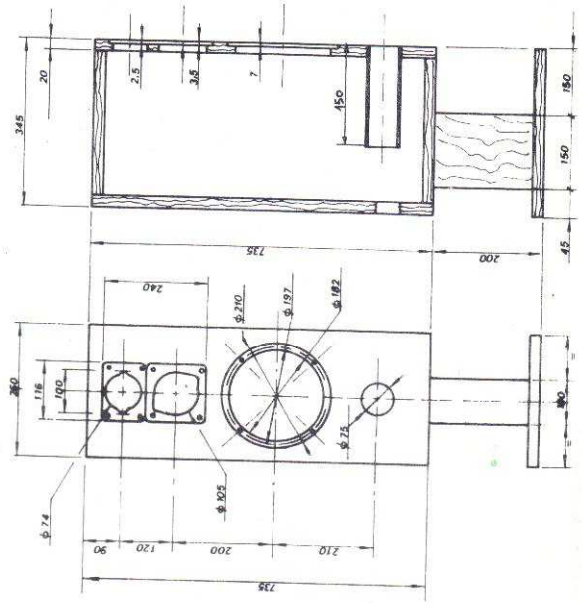
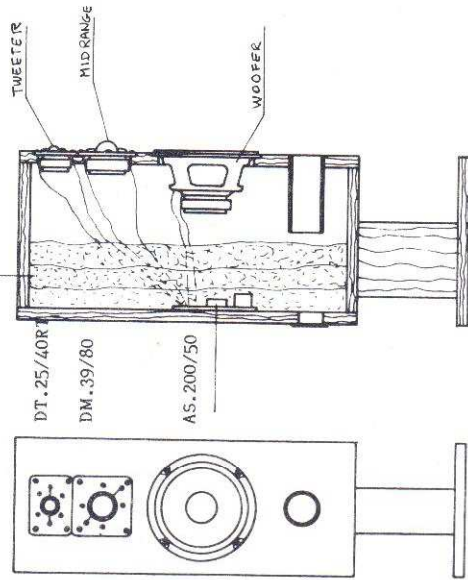
AS.200/40

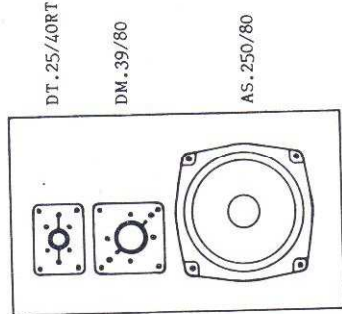
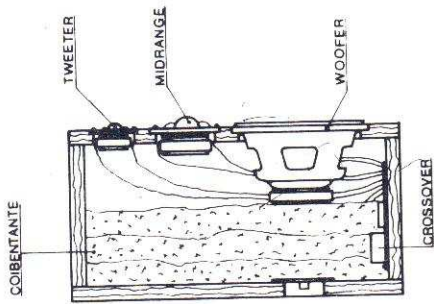


DT.25/40RT

AS.130/35



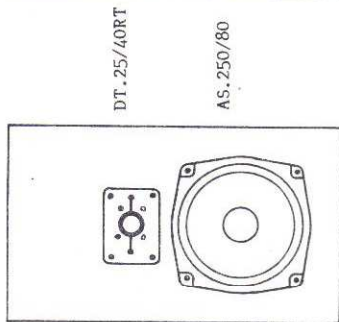
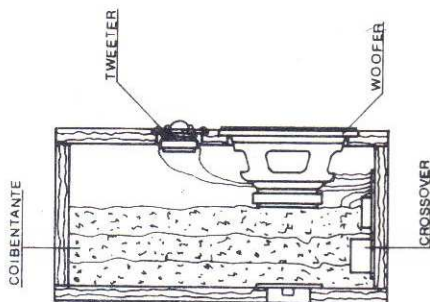




DT. 25/40RT

DM. 39/80

AS. 250/80



DT. 25/40RT

AS. 250/80

