

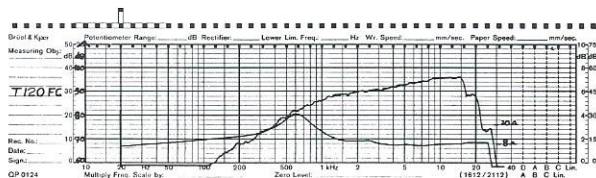
# TWEETERS (FIBERGLASS INVERTED DOME)



12 × 12 cm

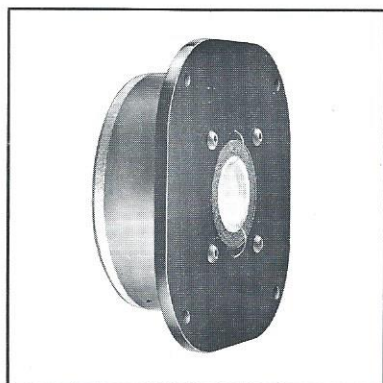
T 120 FC

(95 dB)  
(Iron-cobalt)



Nominal impedance	$Z = 8 \Omega$
Minimum impedance	$Z_{MIN} = 6.8 \Omega$
DC resistance	$R_{cc} = 6 \Omega$
Resonant frequency	$f_s = 580 \text{ Hz}$
Efficiency 1 W/1 m	$= 95 \text{ dB}$
Cut frequencies	$= 3.5 \rightarrow 4.5 \text{ KHz}$
Power handling:	
DC	$= 10 \text{ W}$
4 KHz cut 6 dB/oct.	$= 25 \text{ W}$
4 KHz cut 12 dB/oct.	$= 75 \text{ W}$
4 KHz cut 18 dB/oct.	$= 100 \text{ W}$
Moving mass	$M_{md} = 0.25 \text{ g}$
Speaker weight	$= 1.400 \text{ kg}$

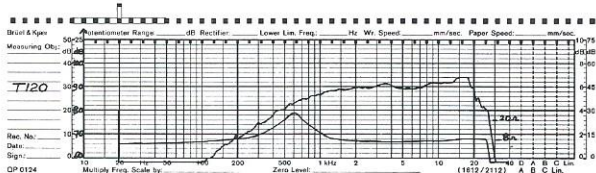
Cone material	: Fiberglass
Voice coil diameter	$= 20.4 \text{ mm}$
Surround	$= \text{Foam} + \text{Latex}$
Former	$= \text{Aluminium}$ $0.4 \text{ mm}$
Voice coil height	$= 2.8 \text{ mm}$
Voice coil layers	$= 2$
Cone diameter	$= 30 \text{ mm}$
Force factor	$BL = 3.64 \text{ NA}^{-1}$
Acceleration factor	$Fa = 14560 \text{ ms}^{-2} \text{A}^{-1}$
Gap volume	$= 84 \text{ mm}^3$
Magnet energy	$= 0.140 \text{ Ws}$
Gap height	$= 2 \text{ mm}$
Weight	$= 725 \text{ g}$
Magnet diam.	$= 96 \text{ mm}$
Flux density	$= 2.05 \text{ T}$



12 × 12 cm

T 120

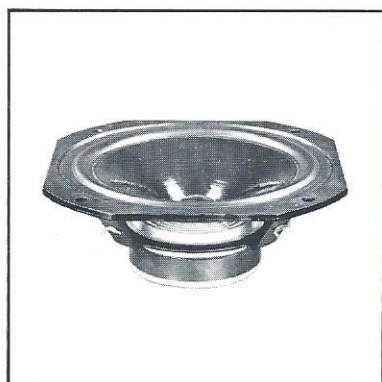
(92 dB)



Nominal impedance	$Z = 8 \Omega$
Minimum impedance	$Z_{MIN} = 6.8 \Omega$
DC resistance	$R_{cc} = 6 \Omega$
Resonant frequency	$f_s = 600 \text{ Hz}$
Efficiency 1 W/1 m	$= 92 \text{ dB}$
Cut frequencies	$= 3.5 \rightarrow 4.5 \text{ KHz}$
Power handling:	
DC	$= 10 \text{ W}$
4 KHz cut 6 dB/oct.	$= 25 \text{ W}$
4 KHz cut 12 dB/oct.	$= 75 \text{ W}$
4 KHz cut 18 dB/oct.	$= 100 \text{ W}$
Moving mass	$M_{md} = 0.28 \text{ g}$
Speaker weight	$= 1.400 \text{ kg}$

Cone material	: Fiberglass
Voice coil diameter	$= 20.4 \text{ mm}$
Surround	$= \text{Foam} + \text{Latex}$
Former	$= \text{Aluminium}$ $0.4 \text{ mm}$
Voice coil height	$= 2.8 \text{ mm}$
Voice coil layers	$= 2$
Cone diameter	$= 30 \text{ mm}$
Force factor	$BL = 3.19 \text{ NA}^{-1}$
Acceleration factor	$Fa = 11392 \text{ ms}^{-2} \text{A}^{-1}$
Gap volume	$= 84 \text{ mm}^3$
Magnet energy	$= 0.108 \text{ Ws}$
Gap height	$= 2 \text{ mm}$
Weight	$= 725 \text{ g}$
Magnet diam.	$= 96 \text{ mm}$
Flux density	$= 1.75 \text{ T}$

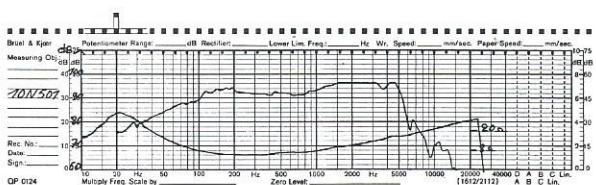
# NEOFLEX CONE WOOFER



10"

10N501

Copper  
flat wire  
diam. 40 mm



Nominal impedance	$Z = 8 \Omega$
Minimum impedance	$Z_{MIN} = 7.4 \Omega$
DC resistance	$R_{cc} = 6 \Omega$
Resonant frequency	$f_s = 21.8 \text{ Hz}$
Efficiency 1 W/1 m	$= 92 \text{ dB}$
Power handling	$= 85 \text{ W}$
Total Q factor	$Q_{TS} = 0.231$
Electrical Q factor	$Q_{ES} = 0.26$
Mechanical Q factor	$Q_{MS} = 2.05$
Suspension compliance	$CMS = 1.40 \cdot 10^{-3} \text{ mN}^{-1}$
Emissive piston area	$S_d = 3.3 \cdot 10^{-2} \text{ m}^2$
Moving mass	$M_{md} = 38 \cdot 10^{-3} \text{ kg}$
Mechanical resistance	$RMS = 1.40 \text{ kg/s}^{-1}$
Equivalent volume of suspension	$VAS = 212.7 \text{ l}$
Load type	$= \text{BASS REFLEX}$
Recommended volume of enclosure	$V_B = \text{SEE TABLE}$
-3 dB cut. off freq.	$F_3 = \text{SEE TABLE}$
Speaker weight	$= 2.9 \text{ kg}$

Cone material	: NEOFLEX
Cone treatment	: PLASTIFLEX
Dust cap material	: POLYPROPYLEN diam. 56 mm
Dust cap treatment	: —
Surround material	: NEOPREN + PVC
Voice coil diameter	$= 40 \text{ mm}$
Voice coil former	: NOMEX
Voice coil height	$= 13 \text{ mm}$
Voice coil layers	$= 1$
Wire	: EDGEWOUND COPPER FLAT WIRE
Force factor	$BL = 13.4 \text{ NA}^{-1}$
Acceleration factor	$Fa = 353 \text{ ms}^{-2} \text{A}^{-1}$
Gap volume	$= 963 \text{ mm}^3$
Gap height	$= 6 \text{ mm}$
Magnetic energy	$= 0.698 \text{ Ws}$
Magnet diameter	$= 120 \text{ mm}$
Magnet weight	$= 0.87 \text{ kg}$
Flux density	$= 1.35 \text{ T}$