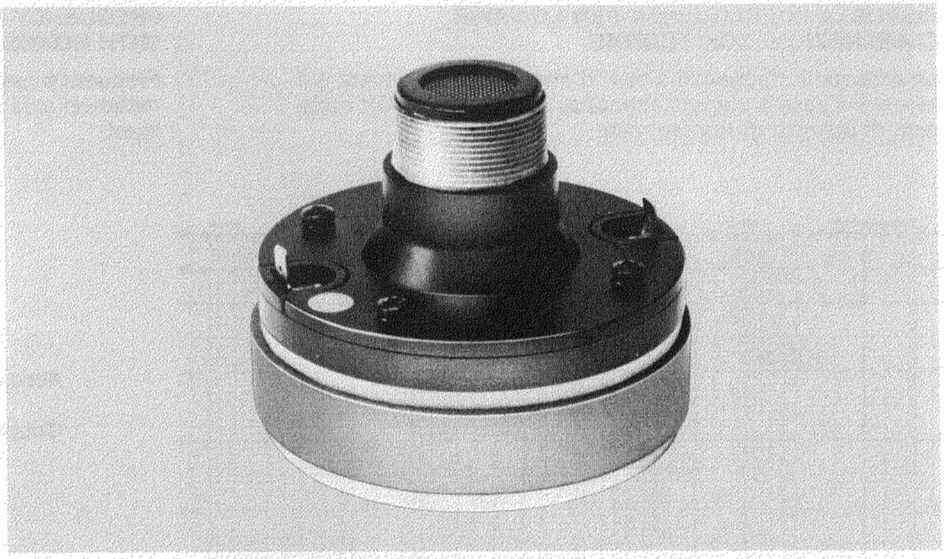
N 280

UNITÀ DINAMICA
A COMPRESSIONE
AD ALTA EFFICIENZA

HIGH EFFICIENCY
COMPRESSION DRIVER



GENERALITÀ

Unità magnetodinamica ad alta efficienza, contraddistinta da una risposta estremamente lineare in gamma media ed alta. L'N 280 adotta un nuovo tipo di membrana a cupola fenolica, rinforzata da nervature radiali che assicurano una maggior rigidità trasversale alle alte frequenze.

DESCRIPTION

High efficiency magnetodynamic driver, marked by a very regular response at medium and high frequencies.
The N 280 is provided with a new type of phenolic dome, reinforced by means of radial ribs to assure an increased flexural at high frequencies.

CARATTERISTICHE TECNICHE

Caratteristiche elettriche

• Impedenza nominale	8 Ohm
• Potenza nominale continua	40 Watt
• Potenza di progr. musicale	100 Watt
• Risposta in frequenza **	500 ÷ 14000 Hz (2000 ÷ 12500 Hz ±3 dB)
• Minima frequenza di taglio	2000 Hz
• Densità di flusso	1,6 Tesla
• Flusso totale	0,67 Weber · 10^{-3}

Caratteristiche costruttive

• Tipo di membrana	Cupola fenolica
• Materiale dell'avvolgimento	Rame
• Diametro bobina	38 mm
• Diametro imbocco tromba	22 mm (1")
• Attacco per la tromba	filettato 18N60° NEF
• Diametro esterno	102 mm
• Profondità totale	84 mm
• Peso netto	1,5 kg

Sensibilità *

• Accoppiamento con tromba H 3709	104,5 dB
• Accoppiamento con tromba H 4823	107 dB
• Accoppiamento con tromba H 2006	105 dB
• Accoppiamento con tromba H 2009	103 dB

* La sensibilità è stata rilevata a 1 metro sull'asse in camera anecoica, applicando 1 Watt nominale di potenza di rumore rosa filtrato nella gamma utile.
** Rilevata con tromba H 3709.

SPECIFICATIONS

Electrical characteristics

• Nominal impedance	8 Ohm
• Nominal power rating	40 Watt
• Program power	100 Watt
• Frequency response **	500 ÷ 14000 Hz (2000 ÷ 12500 Hz ±3 dB)
• Cut-off frequency	2000 Hz
• Flux density	1,6 Tesla
• Total flux	0,67 Weber · 10^{-3}

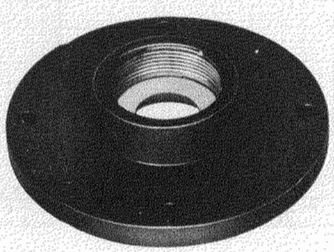
Materials and dimensions

• Diaphragm	Phenolic dome
• Voice coil material	Copper
• Voice coil material	38 mm
• Internal throat diameter	22 mm (1")
• Mounting details for horn	screw cap thread size 18N60° NEF
• Overall diameter	102 mm
• Overall depth	84 mm
• Net weight	1,5 kg

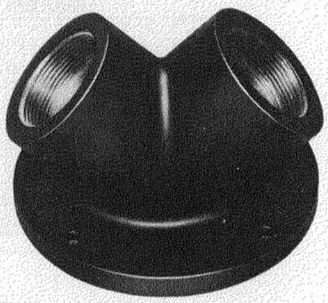
Sensitivity *

• Coupling with H 3709 horn	104,5 dB
• Coupling with H 4823 horn	107 dB
• Coupling with H 2006 horn	105 dB
• Coupling with H 2009 horn	103 dB

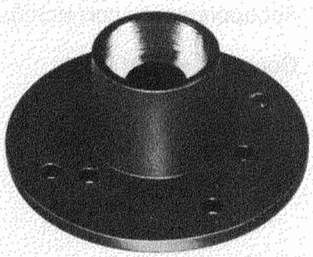
* Sensitivity was measured at 1 meter on axis, in anechoic chamber, with 1 Watt pink noise, filtered within usable range of transducer.
** Measured with H 3709 horn.



A 1361
Adattatore per il montaggio di una tromba con attacco a flangia ∅ 99 mm.
Adaptor for mounting horns with flange ∅ 99 mm.



A 1362
Adattatore per il montaggio di due N 280 su tromba con attacco a flangia ∅ 99 mm.
Adaptator for mounting two N 280 on horns with flange ∅ 99 mm.



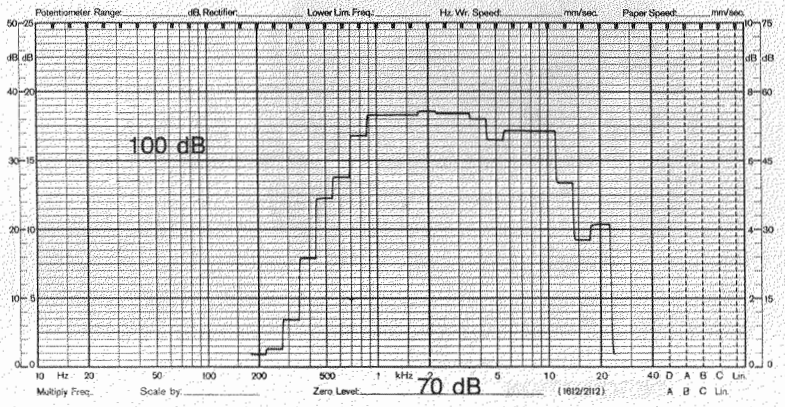
A 1319
Adattatore per il montaggio di una tromba con attacco a flangia ∅ 99 mm.
Adaptor for mounting horns with flange ∅ 99 mm.

RISPOSTA IN FREQUENZA PER LE VARIE COMBINAZIONI CON TROMBE

La risposta in frequenza a terzi d'ottava è stata rilevata a 1 metro sull'asse in camera anecoica, applicando 1 Watt nominale di potenza di rumore rosa.

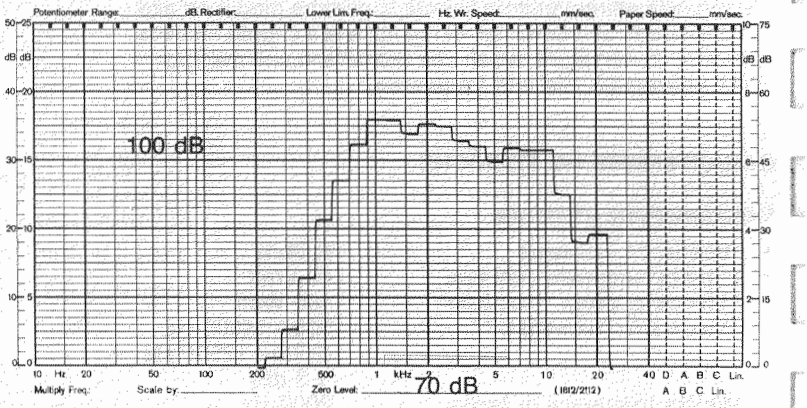
FREQUENCY RESPONSE OF COUPLING WITH HORNS

Frequency response every 1/3 octave was measured at 1 meter on axis in anechoic chamber, with 1 Watt pink noise input.



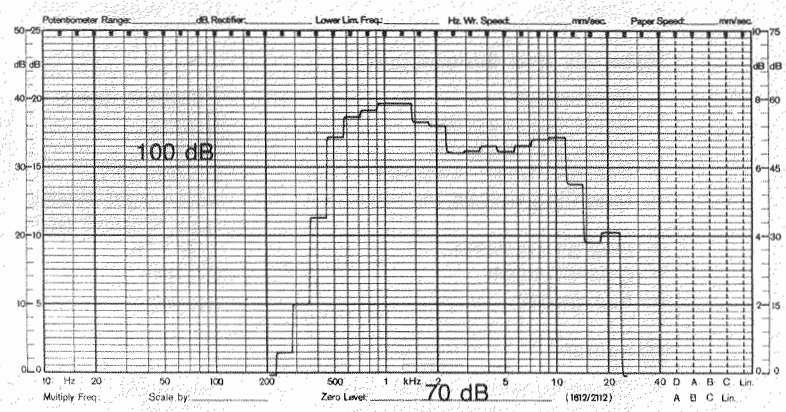
Accoppiamento con tromba H 2006

Coupling with H 2006



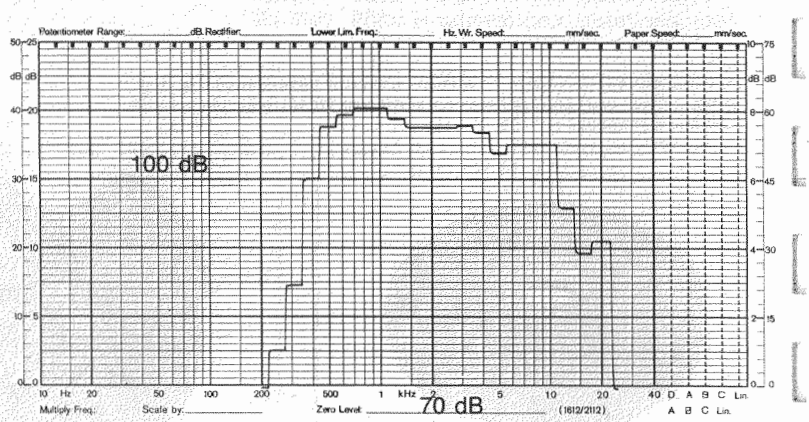
Accoppiamento con tromba H 2009

Coupling with H 2009



Accoppiamento con tromba H 3709

Coupling with H 3709



Accoppiamento con tromba H 4823

Coupling with H 4823

MOD. 0883

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