



H 4592 ND

Compression Driver

2" NEODYMIUM COAXIAL COMPRESSION DRIVER

- Extended bandwidth (300 - 22.000 Hz)
- High efficiency
- With two subsystems in one, each driver covers a smaller frequency range for increased power handling, high dynamic and extremely low distortion
- Excellent phase coherence
- Point source sound reproduction
- Perfect time alignment without the problems of multi-source interference
- Magnetically shielded
- Ultra lightweight and small size



In a conventional full range compression driver the phase plug must be located extremely close to the diaphragm, excursion of the diaphragm is limited and middle frequency performance is compromised.

A typical 2" dome compression driver has a limited high frequency response. Over 8 kHz the dome diaphragm breaks up causing resonance and harsh, metallic sound.

The patented design of the BMS 4592 ND is a result of extensive dedicated research and development providing dramatic improvement in dynamic response, clarity and transparency.

The BMS annular midrange diaphragm covers the frequency range between 400 and 7.000 Hz with a smooth, linear response. The large diaphragm excursion of max. +/-0,8 mm results in high output and increased power handling up to 1.300 W peak.

The ultra light annular diaphragm for the high range offers exceptional transient response with very high efficiency from 6 to 22 kHz.

Specifications	4592 ND
Throat diameter	2" (50,8 mm)
Nominal impedance	8 or 16 Ohm
Power capacity	
Middle range (AES)	150 W above 400 Hz
peak	1.000 W above 500 Hz
High range (AES)	80 W
peak	320 W
Sensitivity	118 dB on 2242 Horn
Frequency range	200 - 22.000 Hz
Recommended crossover	300 Hz
Middle frequency range	300 - 7.000 Hz
High frequency range	6.000 - 22.000 Hz
Middle/High crossover	6.300 Hz
Voice coil high-range	1,75" (44,4 mm)
Voice coil mid-range	3,5 " (90 mm)
Magnet material	Neodymium
Flux density high-range	2,0 T
Flux density mid-range	1,95 T
Efficiency	35% (300 - 5.000 Hz)
Voice coil material	Cooper Clad Aluminium (2 layers inside and outside of the VC)
Voice coil former	Kapton
Diaphragm material	Polyester

Mounting information

Overall Diameter	132 mm (+ 3 mm)
Depth	113 mm
Net weight	2,3 kg
Four M6 holes, 90° on 101,6 mm, 4" diameter	

BMS Elektronik GmbH - Germany
 Boulevard der EU 6, D-30539 Hannover
 Phone +49(0)511-8 79 38 98 - Fax +49(0)511-8 79 3901
 e-mail: info@bms elektronik.de

