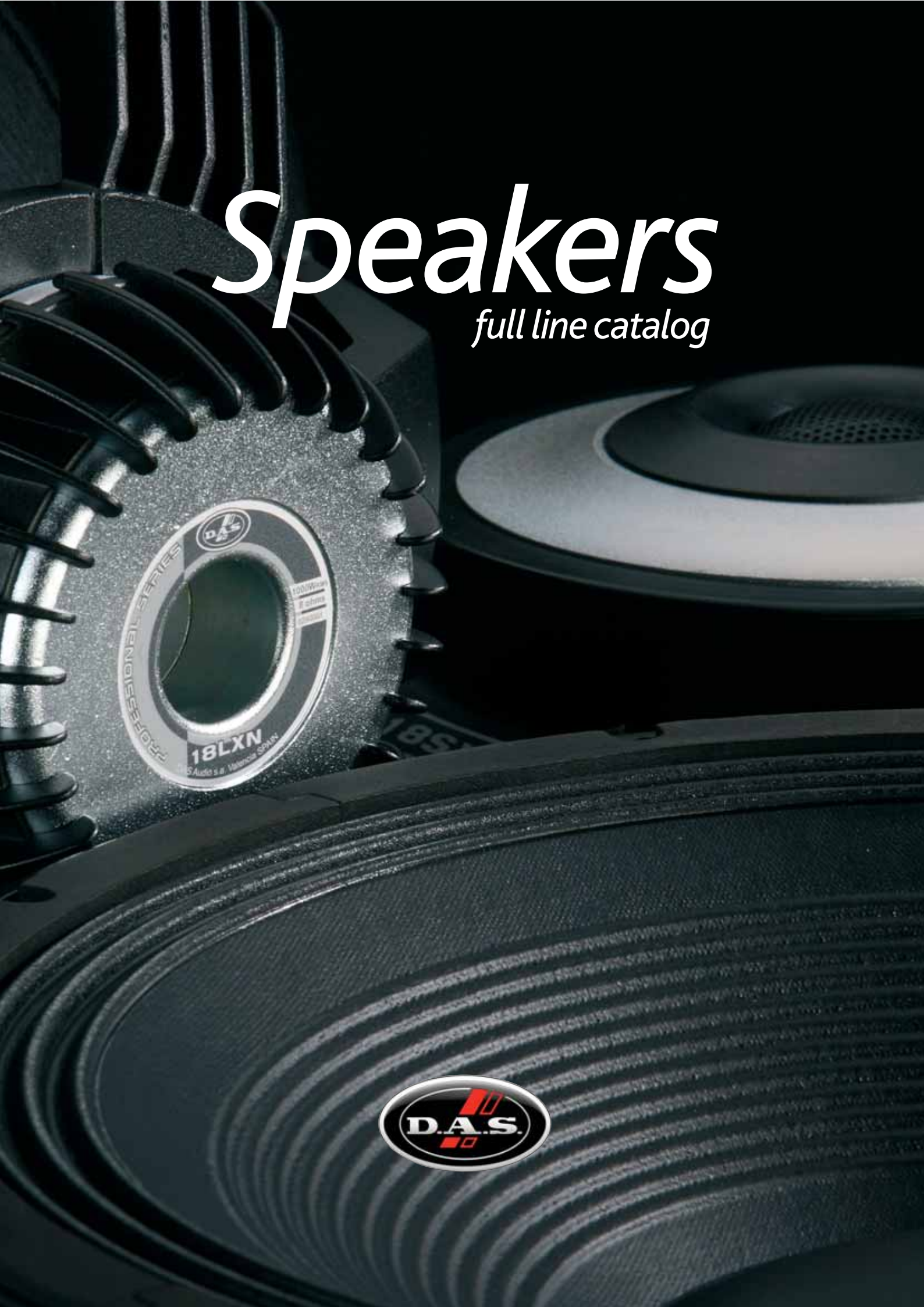

Speakers
full line catalog
PROFESSIONAL SERIES
18LXN
D.A.S.

Speakers

D.A.S. manufactured cone transducers are designed exclusively for use in professional applications. Advanced through years of development and field testing, the technologies applied in the production of the D.A.S. cone transducers are aimed at achieving four very important attributes-high power handling, minimum distortion, high efficiency and low power compression.

Los transductores de cono fabricados por D.A.S. Audio están diseñados exclusivamente para su uso en aplicaciones profesionales. Evolucionados durante años de desarrollo y pruebas de campo, las tecnologías aplicadas por D.A.S. para la realización de sus altavoces están encaminadas a conseguir cuatro cualidades principales: alta capacidad de potencia, mínima distorsión, alta eficiencia, y baja compresión de potencia.

Altavoces

2000W
Sub-Woofer
Neodymium 18”

18LXN

Technical Specifications

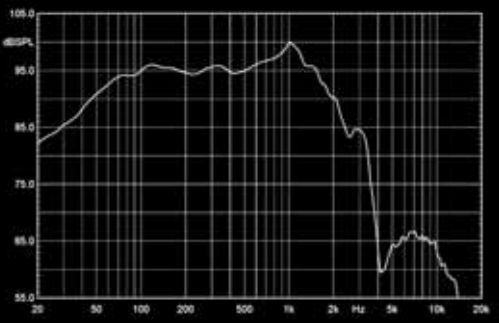
Nominal Diameter	460 mm. (18")
Nominal Impedance	8 ohms
Minimum Impedance	7.3 ohms
AES Power Capacity	1000W
Program Power Capacity	2000W
Sensitivity (*)	98 dB
Nominal Frequency Range	25 Hz-2 kHz
Voice Coil Diameter	102 mm. (4")
Voice Coil Material	Copper
Frame	Aluminium
Spider	Polycotton
Diaphragm	Reinforced Paper Pulp
Magnet	Neodymium

Thiele-Small Parameters

F_S (Hz)	38,51
R_E (ohms)	6,10
Q_{MS}	7,21
Q_{ES}	0,48
Q_{TS}	0,45
Bl (T/m)	21,63
V_{AS} (l)	213,67
L_E at 1kHz (mH)	1,82
L_E at 10kHz (mH)	0,90
S_D (m^2)	0,1164
Efficiency (%)	2,45
X_{MAX} (mm)	8

(*) Woofers Sensitivity is an average in the midrange bandpass for each model.

» Altavoz 18" de muy baja frecuencia
» 2000 W Potencia de Programa
» Bobina de 4” con bobinado interno/externo
» Circuito magnético interior de Neodimio de alta potencia
» Ventilación asistida por convección de aire a través de la pieza polar y ranuras laterales exclusivo (C.A.F.)
» Very Low frequency 18" cone loudspeaker
» 2000 W program power handling
» 4" voice coil with in/out winding
» High power Internal Neodymium magnetic structure
» Centre pole piece and side slot convection cooling (C.A.F.)



2000W
Sub-Woofer
Ferrite 18”

18SX

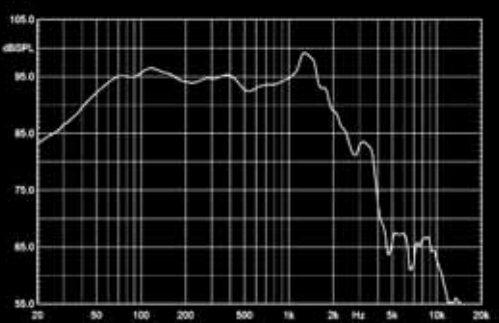
Technical Specifications

Nominal Diameter	460 mm. (18")
Nominal Impedance	8 ohms
Minimum Impedance	7.5 ohms
AES Power Capacity	1000W
Program Power Capacity	2000W
Sensitivity	96.5dB
Nominal Frequency Range	25 Hz-2 kHz
Voice Coil Diameter	102 mm. (4")
Voice Coil Material	Copper
Frame	Aluminium
Spider	Polycotton
Diaphragm	Reinforced Paper Pulp
Magnet	Anisotropic Barium Ferrite

Thiele-Small Parameters

F_S (Hz)	39,21
R_E (ohms)	6,10
Q_{MS}	4,57
Q_{ES}	0,49
Q_{TS}	0,47
Bl (T/m)	23,53
V_{AS} (l)	171,91
L_E at 1kHz (mH)	2,44
L_E at 10kHz (mH)	1,11
S_D (m^2)	0,1164
Efficiency (%)	2,02
X_{MAX} (mm)	8

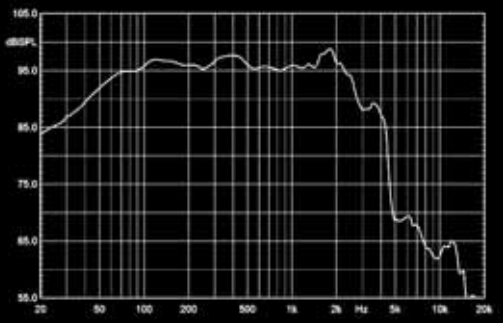
» Altavoz 18" de muy baja frecuencia
» 2000 W Potencia de Programa
» Bobina de 4” con bobinado interno/externo
» Circuito magnético de Ferrita de alta potencia
» Ventilación asistida por convección de aire a través de la pieza polar y ranuras laterales exclusivo (C.A.F.)
» Very Low frequency 18” cone loudspeaker
» 2000 W program power handling
» 4” voice coil with in/out winding
» Ceramic magnetic structure
» Centre pole piece and side slot convection cooling (C.A.F.)



1400W Woofer
Ferrite 18”

18G

» Altavoz 18" de baja frecuencia
» 1400 W Potencia de Programa
» Bobina de 4” con bobinado interno/externo
» Circuito magnético de Ferrita de alta potencia
» Ventilación asistida por convección de aire a través de la pieza polar y ranuras laterales exclusivo (C.A.F.)
» Low frequency 18” cone loudspeaker
» 1400 W program power handling
» 4” voice coil with in/out winding
» Ceramic magnetic structure
» Centre pole piece and side slot convection cooling (C.A.F.)



Technical Specifications

Nominal Diameter	460 mm. (18")
Nominal Impedance	8 ohms
Minimum Impedance	7 ohms
AES Power Capacity	700W
Program Power Capacity	1400W
Sensitivity	97 dB
Nominal Frequency Range	30 Hz-2 kHz
Voice Coil Diameter	102 mm. (4")
Voice Coil Material	Copper
Frame	Aluminium
Spider	Polycotton
Diaphragm	Reinforced Paper Pulp
Magnet	Anisotropic Barium Ferrite

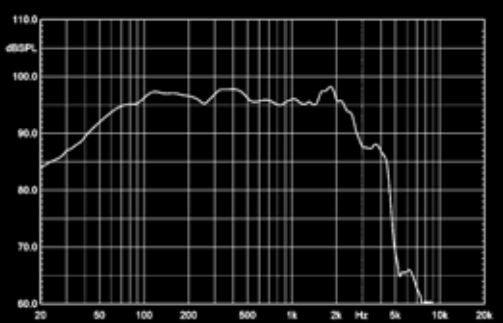
Thiele-Small Parameters

F_S (Hz)	31,73
R_E (ohms)	6,10
Q_{MS}	6,78
Q_{ES}	0,38
Q_{TS}	0,36
Bl (T/m)	22,54
V_{AS} (l)	297,13
L_E at 1kHz (mH)	1,71
L_E at 10kHz (mH)	0,95
S_D (m^2)	0,1164
Efficiency (%)	2,38
X_{MAX} (mm)	6

1200W Woofer
Ferrite 18”

18H

» Altavoz 18" de baja frecuencia
» 1200 W Potencia de Programa
» Bobina de 4” con bobinado interno/externo
» Circuito magnético de Ferrita de alta potencia
» Ventilación asistida por convección de aire a través de la pieza polar y ranuras laterales exclusivo (C.A.F.)
» Low frequency 18” cone loudspeaker
» 1200 W program power handling
» 4” voice coil with in/out winding
» Ceramic magnetic structure
» Centre pole piece and side slot convection cooling (C.A.F.)



Technical Specifications

Nominal Diameter	460 mm. (18")
Nominal Impedance	8 ohms
Minimum Impedance	7 ohms
AES Power Capacity	600W
Program Power Capacity	1200W
Sensitivity	97 dB
Nominal Frequency Range	30 Hz-2 kHz
Voice Coil Diameter	102 mm. (4")
Voice Coil Material	Copper
Frame	Aluminium
Spider	Polycotton
Diaphragm	Reinforced Paper Pulp
Magnet	Anisotropic Barium Ferrite

Thiele-Small Parameters

F_S (Hz)	30,23
R_E (ohms)	6,10
Q_{MS}	6,13
Q_{ES}	0,37
Q_{TS}	0,35
Bl (T/m)	23,14
V_{AS} (l)	308,52
L_E at 1kHz (mH)	1,72
L_E at 10kHz (mH)	0,90
S_D (m^2)	0,1164
Efficiency (%)	2,23
X_{MAX} (mm)	6

1600W
Sub-Woofer
Neodymium 15”

15LXN

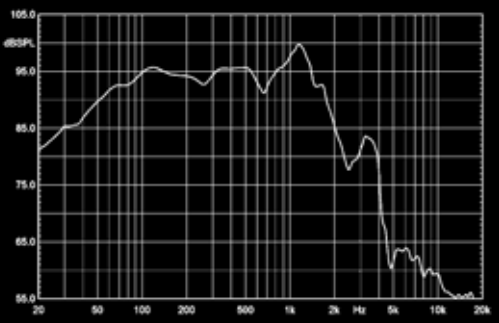
Technical Specifications

Nominal Diameter	380 mm. (15")
Nominal Impedance	8 ohms
Minimum Impedance	7 ohms
AES Power Capacity	800W
Program Power Capacity	1600W
Sensitivity	97 dB
Nominal Frequency Range	35 Hz-2 kHz
Voice Coil Diameter	102 mm. (4")
Voice Coil Material	Copper
Frame	Aluminium
Spider	Polycotton
Diaphragm	Reinforced Paper Pulp
Magnet	Neodymium

Thiele-Small Parameters

F_S (Hz)	32,92
R_E (ohms)	6,10
Q_{MS}	13,46
Q_{ES}	0,37
Q_{TS}	0,36
Bl (T/m)	21,57
V_{AS} (l)	193,02
L_E at 1kHz (mH)	1,74
L_E at 10kHz (mH)	0,94
S_D (m^2)	0,0897
Efficiency (%)	1,79
X_{MAX} (mm)	8

- » Altavoz 15" de muy baja frecuencia
- » 1600 W Potencia de Programa
- » Bobina de 4” con bobinado interno/externo
- » Circuito magnético interior de Neodimio de alta potencia
- » Ventilación asistida por convección de aire a través de la pieza polar y ranuras laterales exclusivo (C.A.F.)
- ***» Very Low frequency 15” cone loudspeaker***
- ***» 1600 W program power handling***
- ***» 4” voice coil with in/out winding***
- ***» High power Internal Neodymium magnetic structure***
- ***» Centre pole piece and side slot convection cooling (C.A.F.)***



1600W
Sub-Woofer
Ferrite 15”

15SX

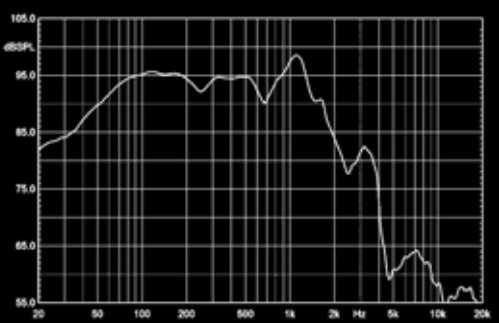
Technical Specifications

Nominal Diameter	380 mm. (15")
Nominal Impedance	8 ohms
Minimum Impedance	7.3 ohms
AES Power Capacity	800W
Program Power Capacity	1600W
Sensitivity	96 dB
Nominal Frequency Range	35 Hz-2 kHz
Voice Coil Diameter	102 mm. (4")
Voice Coil Material	Copper
Frame	Aluminium
Spider	Polycotton
Diaphragm	Reinforced Paper Pulp
Magnet	Anisotropic Barium Ferrite

Thiele-Small Parameters

F_S (Hz)	34,51
R_E (ohms)	6,10
Q_{MS}	12,71
Q_{ES}	0,36
Q_{TS}	0,35
Bl (T/m)	23,82
V_{AS} (l)	153,78
L_E at 1kHz (mH)	2,05
L_E at 10kHz (mH)	1,09
S_D (m^2)	0,0897
Efficiency (%)	1,68
X_{MAX} (mm)	8

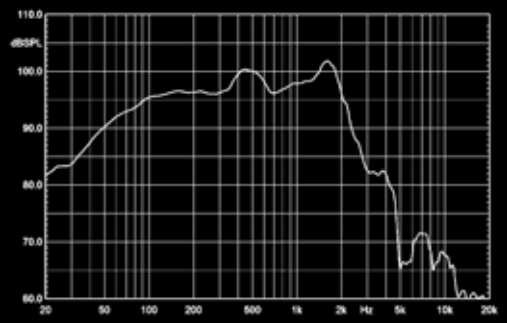
- » Altavoz 15" de baja frecuencia
- » 1600 W Potencia de Programa
- » Bobina de 4” con bobinado interno/externo
- » Circuito magnético de Ferrita de alta potencia
- » Ventilación asistida por convección de aire a través de la pieza polar y ranuras laterales exclusivo (C.A.F.)
- ***» Very Low frequency 15” cone loudspeaker***
- ***» 1600 W program power handling***
- ***» 4” voice coil with in/out winding***
- ***» Ceramic magnetic structure***
- ***» Centre pole piece and side slot convection cooling (C.A.F.)***



1400W
Woofer
Neodymium 15”

15GNR

- » Altavoz 15" de baja frecuencia
- » 1400 W Potencia de Programa
- » Bobina de 4” con bobinado interno/externo
- » Circuito magnético interior de Neodimio de alta potencia
- » Ventilación asistida por convección de aire a través de la pieza polar y ranuras laterales exclusivo (C.A.F.)
- ***» Low frequency 15” cone loudspeaker***
- ***» 1400 W program power handling***
- ***» 4” voice coil with in/out winding***
- ***» High power Internal Neodymium magnetic structure***
- ***» Centre pole piece and side slot convection cooling (C.A.F.)***



Technical Specifications

Nominal Diameter	380 mm. (15")
Nominal Impedance	8 ohms
Minimum Impedance	6 ohms
AES Power Capacity	700W
Program Power Capacity	1400W
Sensitivity	98.5 dB
Nominal Frequency Range	35 Hz-2 kHz
Voice Coil Diameter	102 mm. (4")
Voice Coil Material	Copper
Frame	Aluminium
Spider	Polycotton
Diaphragm	Reinforced Paper Pulp
Magnet	Neodymium

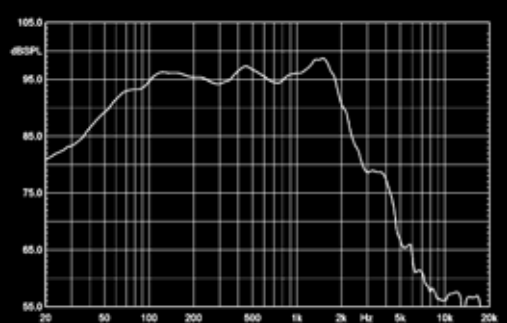
Thiele-Small Parameters

F_S (Hz)	36,53
R_E (ohms)	6,30
Q_{MS}	12,77
Q_{ES}	0,44
Q_{TS}	0,43
Bl (T/m)	20,86
V_{AS} (l)	159,91
L_E at 1kHz (mH)	1,25
L_E at 10kHz (mH)	0,65
S_D (m^2)	0,0897
Efficiency (%)	1,69
X_{MAX} (mm)	6

1400W
Woofer
Ferrite 15”

15G

- » Altavoz 15" de baja frecuencia
- » 1400 W Potencia de Programa
- » Bobina de 4” con bobinado interno/externo
- » Circuito magnético de Ferrita de alta potencia
- » Ventilación asistida por convección de aire a través de la pieza polar y ranuras laterales exclusivo (C.A.F.)
- ***» Low frequency 15” cone loudspeaker***
- ***» 1400 W program power handling***
- ***» 4” voice coil with in/out winding***
- ***» Ceramic magnetic structure***
- ***» Centre pole piece and side slot convection cooling (C.A.F.)***



Technical Specifications

Nominal Diameter	380 mm. (15")
Nominal Impedance	8 ohms
Minimum Impedance	7 ohms
AES Power Capacity	700W
Program Power Capacity	1400W
Sensitivity	97 dB
Nominal Frequency Range	40 Hz-2.5 kHz
Voice Coil Diameter	102 mm. (4")
Voice Coil Material	Copper
Frame	Aluminium
Spider	Polycotton
Diaphragm	Reinforced Paper Pulp
Magnet	Anisotropic Barium Ferrite

Thiele-Small Parameters

F_S (Hz)	34,04
R_E (ohms)	6,10
Q_{MS}	13,79
Q_{ES}	0,32
Q_{TS}	0,32
Bl (T/m)	22,40
V_{AS} (l)	196,67
L_E at 1kHz (mH)	1,56
L_E at 10kHz (mH)	0,93
S_D (m^2)	0,0897
Efficiency (%)	2,29
X_{MAX} (mm)	6

1200W Woofer
Ferrite 15”

15H

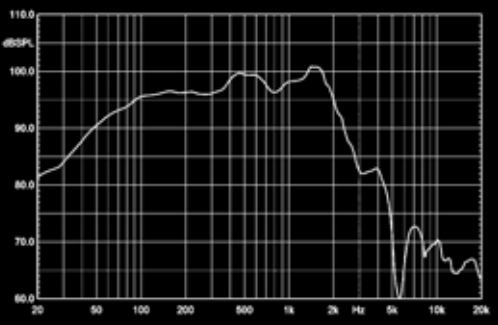
Technical Specifications

Nominal Diameter	380 mm. (15")
Nominal Impedance	8 ohms
Minimum Impedance	6.3 ohms
AES Power Capacity	600W
Program Power Capacity	1200W
Sensitivity	98.5 dB
Nominal Frequency Range	35 Hz-2 kHz
Voice Coil Diameter	102 mm. (4")
Voice Coil Material	Copper
Frame	Aluminium
Spider	Polycotton
Diaphragm	Reinforced Paper Pulp
Magnet	Anisotropic Barium Ferrite

Thiele-Small Parameters

F_S (Hz)	39,07
R_E (ohms)	6,00
Q_{MS}	6,53
Q_{ES}	0,47
Q_{TS}	0,44
Bl (T/m)	19,84
V_{AS} (l)	149,45
L_E at 1kHz (mH)	1,43
L_E at 10kHz (mH)	0,68
S_D (m^2)	0,0897
Efficiency (%)	1,83
X_{MAX} (mm)	6

» Altavoz 15" de baja frecuencia
» 1200 W Potencia de Programa
» Bobina de 4” con bobinado interno/externo
» Circuito magnético de Ferrita de alta potencia
» Ventilación asistida por convección de aire a través de la pieza polar y ranuras laterales exclusivo (C.A.F.)
» Low frequency 15” cone loudspeaker
» 1200 W program power handling
» 4” voice coil with in/out winding
» Ceramic magnetic structure
» Centre pole piece and side slot convection cooling (C.A.F.)



1000W Mid-Woofer
Ferrite 15”

15B

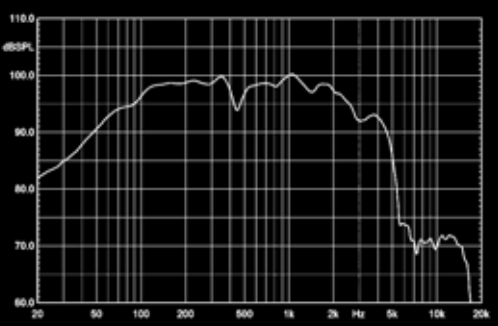
Technical Specifications

Nominal Diameter	380 mm. (15")
Nominal Impedance	8 ohms
Minimum Impedance	6.7 ohms
AES Power Capacity	500W
Program Power Capacity	1000W
Sensitivity	99.5 dB
Nominal Frequency Range	40 Hz - 5 kHz
Voice Coil Diameter	102 mm. (4")
Voice Coil Material	Aluminium Edgewound
Frame	Aluminium
Spider	Polycotton
Diaphragm	Reinforced Paper Pulp
Magnet	Anisotropic Barium Ferrite

Thiele-Small Parameters

F_S (Hz)	39,06
R_E (ohms)	6,10
Q_{MS}	9,94
Q_{ES}	0,33
Q_{TS}	0,32
Bl (T/m)	21,00
V_{AS} (l)	189,45
L_E at 1kHz (mH)	1,04
L_E at 10kHz (mH)	0,65
S_D (m^2)	0,0897
Efficiency (%)	3,24
X_{MAX} (mm)	6

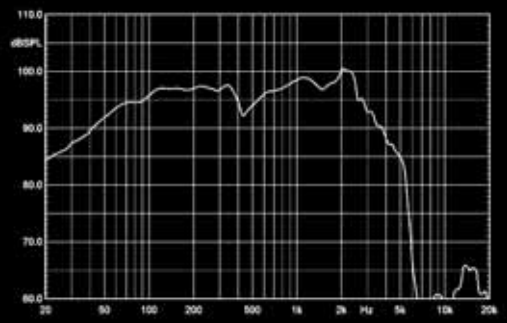
» Altavoz 15" de baja-media frecuencia
» 1000 W Potencia de Programa
» Bobina de 4” con bobinado interno/externo
» Circuito magnético de Ferrita de alta potencia
» Ventilación asistida por convección de aire a través de la pieza polar y ranuras laterales exclusivo (C.A.F.)
» Low-Mid frequency 15” cone loudspeaker
» 1000 W program power handling
» 4” voice coil
» Ceramic magnetic structure
» Centre pole piece and side slot convection cooling (C.A.F.)



800W Woofer
Ferrite 15”

15P

» Altavoz 15" de baja-media frecuencia
» 800 W Potencia de Programa
» Bobina de 3” de diámetro
» Circuito magnético de Ferrita de alta potencia
» Ventilación asistida por convección de aire a través de la pieza polar y ranuras laterales exclusivo (C.A.F.)
» Low frequency 15” cone loudspeaker
» 800 W program power handling
» 3” voice coil
» Ceramic magnetic structure
» Centre pole piece and side slot convection cooling (C.A.F.)



Technical Specifications

Nominal Diameter	380 mm. (15")
Nominal Impedance	8 ohms
Minimum Impedance	7.5 ohms
AES Power Capacity	400W
Program Power Capacity	800W
Sensitivity	98 dB
Nominal Frequency Range	30 Hz - 4 kHz
Voice Coil Diameter	77 mm. (3")
Voice Coil Material	Copper
Frame	Aluminium
Spider	Polycotton
Diaphragm	Reinforced Paper Pulp
Magnet	Anisotropic Barium Ferrite

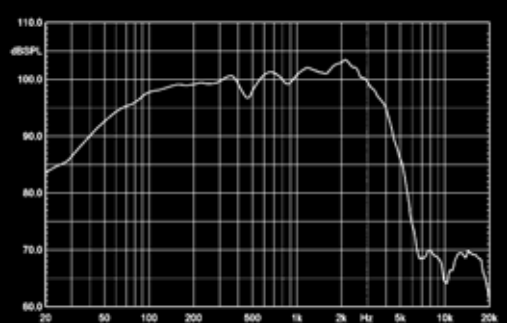
Thiele-Small Parameters

F_S (Hz)	28,86
R_E (ohms)	6,40
Q_{MS}	5,60
Q_{ES}	0,38
Q_{TS}	0,36
Bl (T/m)	18,20
V_{AS} (l)	313,78
L_E at 1kHz (mH)	1,18
L_E at 10kHz (mH)	0,65
S_D (m^2)	0,0897
Efficiency (%)	1,90
X_{MAX} (mm)	6

800W Midrange
Ferrite 15”

15LM

» Altavoz 15" de baja-media frecuencia
» 800 W Potencia de Programa
» Bobina de 3” de diámetro
» Circuito magnético de Ferrita de alta potencia
» Ventilación asistida por convección de aire a través de la pieza polar y ranuras laterales exclusivo (C.A.F.)
» Mid frequency 15” cone loudspeaker
» 800 W program power handling
» 3” voice coil
» Ceramic magnetic structure
» Centre pole piece and side slot convection cooling (C.A.F.)



Technical Specifications

Nominal Diameter	380 mm. (15")
Nominal Impedance	8 ohms
Minimum Impedance	5.1 ohms
AES Power Capacity	400W
Program Power Capacity	800W
Sensitivity	101 dB
Nominal Frequency Range	40 Hz - 5 kHz
Voice Coil Diameter	77 mm. (3")
Voice Coil Material	Aluminium Edgewound
Frame	Aluminium
Spider	Polycotton
Diaphragm	Reinforced Paper Pulp
Magnet	Anisotropic Barium Ferrite

Thiele-Small Parameters

F_S (Hz)	40,39
R_E (ohms)	6,40
Q_{MS}	8,59
Q_{ES}	0,52
Q_{TS}	0,49
Bl (T/m)	16,29
V_{AS} (l)	206,64
L_E at 1kHz (mH)	0,82
L_E at 10kHz (mH)	0,43
S_D (m^2)	0,0897
Efficiency (%)	2,53
X_{MAX} (mm)	5

1600W
Sub-Woofer
Neodymium 12”

12LXN

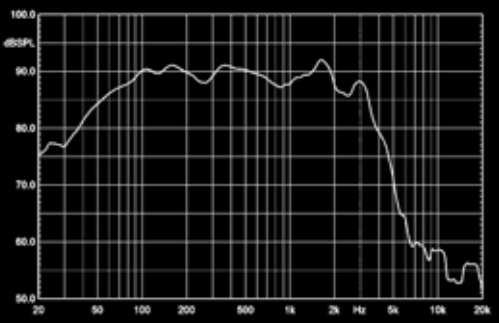
Technical Specifications

Nominal Diameter	305 mm. (12")
Nominal Impedance	8 ohms
Minimum Impedance	7.6 ohms
AES Power Capacity	800W
Program Power Capacity	1600W
Sensitivity	92 dB
Nominal Frequency Range	45 Hz - 3 kHz
Voice Coil Diameter	102 mm. (4")
Voice Coil Material	Copper
Frame	Aluminium
Spider	Polycotton
Diaphragm	Reinforced Paper Pulp
Magnet	Neodymium

Thiele-Small Parameters

F_S (Hz)	41,64
R_E (ohms)	6,10
Q_{MS}	5,57
Q_{ES}	0,44
Q_{TS}	0,41
Bl (T/m)	21,58
V_{AS} (l)	44,51
L_E at 1kHz (mH)	1,36
L_E at 10kHz (mH)	0,89
S_D (m^2)	0,0531
Efficiency (%)	0,70
X_{MAX} (mm)	8

» Altavoz 12" de baja frecuencia
» 1600 W Potencia de Programa
» Bobina de 4” con bobinado interno/externo
» Circuito magnético interior de Neodimio de alta potencia
» Ventilación asistida por convección de aire a través de la pieza polar y ranuras laterales exclusivo (C.A.F.)
» Low frequency 12” cone loudspeaker
» 1600 W program power handling
» 4” voice coil with in/out winding
» High power Internal Neodymium magnetic structure
» Centre pole piece and side slot convection cooling (C.A.F.)



1400W
Woofer
Neodymium 12”

12GNR

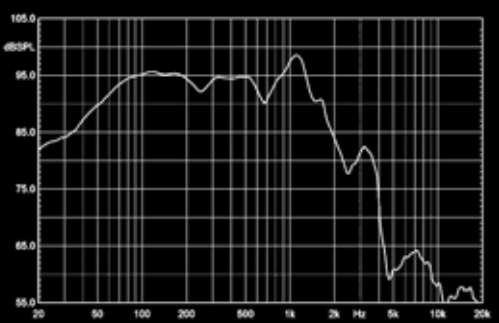
Technical Specifications

Nominal Diameter	305 mm. (12")
Nominal Impedance	8 ohms
Minimum Impedance	7.2 ohms
AES Power Capacity	700W
Program Power Capacity	1400W
Sensitivity	97 dB
Nominal Frequency Range	45 Hz - 3 kHz
Voice Coil Diameter	102 mm. (4")
Voice Coil Material	Copper
Frame	Aluminium
Spider	Polycotton
Diaphragm	Reinforced Paper Pulp
Magnet	Neodymium

Thiele-Small Parameters

F_S (Hz)	39,64
R_E (ohms)	6,00
Q_{MS}	12,92
Q_{ES}	0,26
Q_{TS}	0,26
Bl (T/m)	23,01
V_{AS} (l)	71,02
L_E at 1kHz (mH)	1,74
L_E at 10kHz (mH)	0,98
S_D (m^2)	0,0540
Efficiency (%)	1,63
X_{MAX} (mm)	6

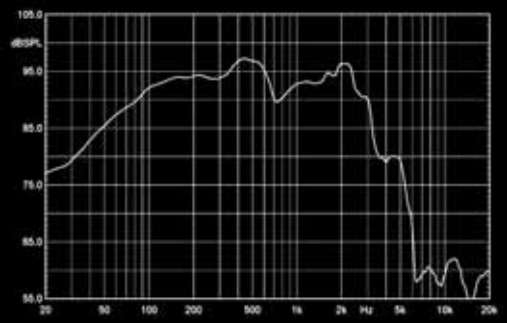
» Altavoz 12" de baja frecuencia
» 1400 W Potencia de Programa
» Bobina de 4” con bobinado interno/externo
» Circuito magnético interior de Neodimio de alta potencia
» Ventilación asistida por convección de aire a través de la pieza polar y ranuras laterales exclusivo (C.A.F.)
» Low frequency 12” cone loudspeaker
» 1400 W program power handling
» 4” voice coil with in/out winding
» High power Internal Neodymium magnetic structure
» Centre pole piece and side slot convection cooling (C.A.F.)



1400W Woofer
Ferrite 12”

12G

- » Altavoz 12" de baja frecuencia
- » 1400 W Potencia de Programa
- » Bobina de 4” con bobinado interno/externo
- » Circuito magnético de Ferrita de alta potencia
- » Ventilación asistida por convección de aire a través de la pieza polar y ranuras laterales exclusivo (C.A.F.)
- ***» Low frequency 12” cone loudspeaker***
- ***» 1400 W program power handling***
- ***» 4” voice coil with in/out winding***
- ***» Ceramic magnetic structure***
- ***» Centre pole piece and side slot convection cooling (C.A.F.)***



Technical Specifications

Nominal Diameter	305 mm. (12")
Nominal Impedance	8 ohms
Minimum Impedance	7.4 ohms
AES Power Capacity	700W
Program Power Capacity	1400W
Sensitivity	96 dB
Nominal Frequency Range	40 Hz - 2 kHz
Voice Coil Diameter	102 mm. (4")
Voice Coil Material	Copper
Frame	Aluminium
Spider	Polycotton
Diaphragm	Reinforced Paper Pulp
Magnet	Anisotropic Barium Ferrite

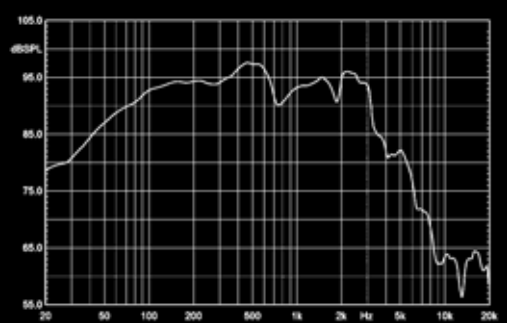
Thiele-Small Parameters

F_S (Hz)	36,83
R_E (ohms)	6,00
Q_{MS}	9,78
Q_{ES}	0,24
Q_{TS}	0,23
Bl (T/m)	22,61
V_{AS} (l)	86,65
L_E at 1kHz (mH)	1,71
L_E at 10kHz (mH)	0,94
S_D (m^2)	0,0540
Efficiency (%)	1,74
X_{MAX} (mm)	6

1200W Woofer
Ferrite 12”

12H

- » Altavoz 12" de baja frecuencia
- » 1200 W Potencia de Programa
- » Bobina de 4” con bobinado interno/externo
- » Circuito magnético de Ferrita de alta potencia
- » Ventilación asistida por convección de aire a través de la pieza polar y ranuras laterales exclusivo (C.A.F.)
- ***» Low frequency 12” cone loudspeaker***
- ***» 1200 W program power handling***
- ***» 4” voice coil with in/out winding***
- ***» Ceramic magnetic structure***
- ***» Centre pole piece and side slot convection cooling (C.A.F.)***



Technical Specifications

Nominal Diameter	305 mm. (12")
Nominal Impedance	8 ohms
Minimum Impedance	6.3 ohms
AES Power Capacity	600W
Program Power Capacity	1200W
Sensitivity	96 dB
Nominal Frequency Range	45 Hz - 2 kHz
Voice Coil Diameter	102 mm. (4")
Voice Coil Material	Copper
Frame	Aluminium
Spider	Polycotton
Diaphragm	Reinforced Paper Pulp
Magnet	Anisotropic Barium Ferrite

Thiele-Small Parameters

F_S (Hz)	37,22
R_E (ohms)	6,00
Q_{MS}	11,00
Q_{ES}	0,36
Q_{TS}	0,35
Bl (T/m)	19,23
V_{AS} (l)	78,65
L_E at 1kHz (mH)	1,26
L_E at 10kHz (mH)	0,69
S_D (m^2)	0,0540
Efficiency (%)	1,08
X_{MAX} (mm)	6

1000W
Mid-Woofer
Ferrite 12”

12B

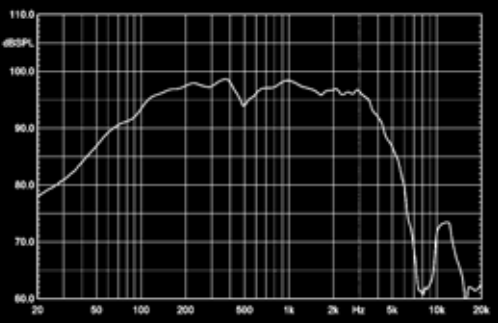
Technical Specifications

Nominal Diameter	305 mm. (12")
Nominal Impedance	8 ohms
Minimum Impedance	7 ohms
AES Power Capacity	500W
Program Power Capacity	1000W
Sensitivity	98 dB
Nominal Frequency Range	50 Hz - 5 kHz
Voice Coil Diameter	102 mm. (4")
Voice Coil Material	Aluminium Edgewound
Frame	Aluminium
Spider	Polycotton
Diaphragm	Reinforced Paper Pulp
Magnet	Anisotropic Barium Ferrite

Thiele-Small Parameters

F_S (Hz)	47,22
R_E (ohms)	6,50
Q_{MS}	10,21
Q_{ES}	0,30
Q_{TS}	0,29
Bl (T/m)	20,97
V_{AS} (l)	67,98
L_E at 1kHz (mH)	1,15
L_E at 10kHz (mH)	0,69
S_D (m^2)	0,0540
Efficiency (%)	2,30
X_{MAX} (mm)	4

» Altavoz 12" de baja-media frecuencia
» 1000 W Potencia de Programa
» Bobina de 4” de diámetro
» Circuito magnético de Ferrita de alta potencia
» Ventilación asistida por convección de aire a través de la pieza polar y ranuras laterales exclusivo (C.A.F.)
» Low-Mid frequency 12” cone loudspeaker
» 1000 W program power handling
» 4” voice coil
» Ceramic magnetic structure
» Centre pole piece and side slot convection cooling (C.A.F.)



800W
Woofer
Ferrite 12”

12P

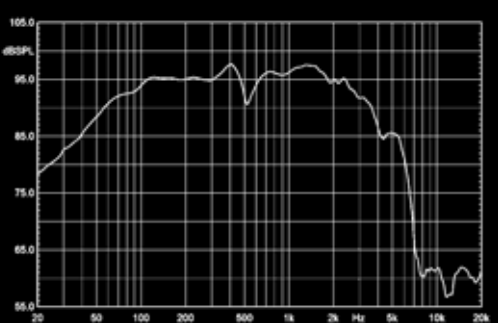
Technical Specifications

Nominal Diameter	305 mm. (12")
Nominal Impedance	8 ohms
Minimum Impedance	7 ohms
AES Power Capacity	400W
Program Power Capacity	800W
Sensitivity	96 dB
Nominal Frequency Range	40 Hz- 5.5 kHz
Voice Coil Diameter	77 mm. (3")
Voice Coil Material	Copper
Frame	Aluminium
Spider	Polycotton
Diaphragm	Reinforced Paper Pulp
Magnet	Anisotropic Barium Ferrite

Thiele-Small Parameters

F_S (Hz)	46,19
R_E (ohms)	6,50
Q_{MS}	7,30
Q_{ES}	0,49
Q_{TS}	0,46
Bl (T/m)	15,91
V_{AS} (l)	73,64
L_E at 1kHz (mH)	1,13
L_E at 10kHz (mH)	0,65
S_D (m^2)	0,0540
Efficiency (%)	1,42
X_{MAX} (mm)	6

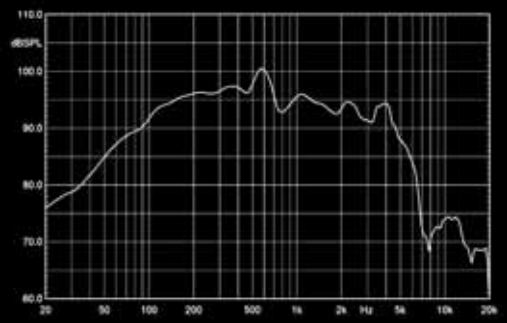
» Altavoz 12" de baja frecuencia
» 800 W Potencia de Programa
» Bobina de 3” de diámetro
» Circuito magnético de Ferrita de alta potencia
» Ventilación asistida por convección de aire a través de la pieza polar y ranuras laterales exclusivo (C.A.F.)
» Low frequency 12” cone loudspeaker
» 800 W program power handling
» 3” voice coil
» Ceramic magnetic structure
» Centre pole piece and side slot convection cooling (C.A.F.)



800W
Midrange
Ferrite 10”

10B

» Altavoz 10" de media frecuencia
» 800 W Potencia de Programa
» Bobina de 4” de diámetro
» Circuito magnético de Ferrita de alta potencia
» Ventilación asistida por convección de aire a través de la pieza polar y ranuras laterales exclusivo (C.A.F.)
» Mid frequency 10” cone loudspeaker
» 800 W program power handling
» 4” voice coil
» Ceramic magnetic structure
» Centre pole piece and side slot convection cooling (C.A.F.)



Technical Specifications

Nominal Diameter	250 mm. (10")
Nominal Impedance	8 ohms
Minimum Impedance	8 ohms
AES Power Capacity	400W
Program Power Capacity	800W
Sensitivity	98 dB
Nominal Frequency Range	55 Hz - 5.7 kHz
Voice Coil Diameter	102 mm. (4")
Voice Coil Material	Aluminium Edgewound
Frame	Aluminium
Spider	Polycotton
Diaphragm	Reinforced Paper Pulp
Magnet	Anisotropic Barium Ferrite

Thiele-Small Parameters

F_S (Hz)	53,01
R_E (ohms)	5,50
Q_{MS}	8,65
Q_{ES}	0,25
Q_{TS}	0,24
Bl (T/m)	20,57
V_{AS} (l)	28,83
L_E at 1kHz (mH)	1,02
L_E at 10kHz (mH)	0,65
S_D (m^2)	0,0360
Efficiency (%)	1,68
X_{MAX} (mm)	4

Compression Drivers

D.A.S. compression drivers offer the optimum balance between performance, efficiency, weight and cost. We are one of the few audio companies in the world capable of designing and manufacturing compression drivers for use in professional applications. Their exacting tolerances, unique materials demands and the engineering expertise required, makes them the most difficult audio transducers to manufacture. D.A.S. compression drivers offer world class performance and reliability.

Los motores de compresión fabricados por D.A.S. Audio ofrecen un equilibrio óptimo entre prestaciones, eficiencia, peso y coste. D.A.S. es una de las pocas empresas en el mundo capaces de diseñar y fabricar motores de compresión para uso en aplicaciones profesionales. Las tolerancias estrictas, las exigencias de materiales especiales, y la alta cualificación requerida de ingeniería, los convierte en unos de los transductores más complejos de producir. Los motores de compresión D.A.S. ofrecen prestaciones de primer nivel y fiabilidad absoluta.

Motores de Compresión

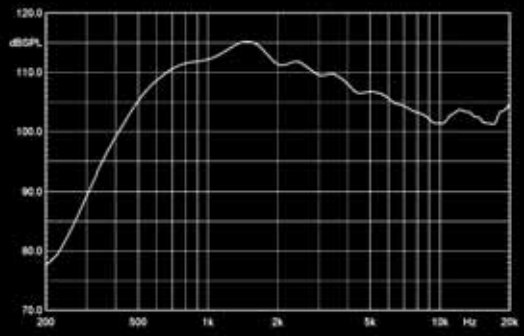
250W
Neo Compression
Driver

ND-10

Technical Specifications

Throat Exit Diameter	38.6 mm (1.52")
Nominal Impedance	16 ohms
Minimum Impedance	10.5 ohms
AES Power Capacity	125W, from 1 kHz up
Program Power Capacity	250W, from 1 kHz up
Sensitivity (*)	110 dB SPL (with BP-92 horn)
Nominal Frequency Range	500 Hz - 20 kHz
Voice Coil Diameter	100 mm. (3.95")
Voice Coil Material	Edge-wound ACCW
Phase Plug	4-slit Aluminium
Flux Density	1.9 T (19 kG)
Diaphragm	Titanium
Magnet	Neodymium
Minimum Recommended X-Over Frequency	500 Hz
Polarity	Positive Voltage to red terminal moves diaphragm AWAY from phase plug

» Motor de compresión de 250 W programa
» Diafragma de Titanio de 4" de diámetro
» Salida de 1.5"
» Estructura Magnética de Neodimio
» Diafragma con sistema de autocentrado de precisión
» 250 W program HF compression driver
» 4" pure titanium diaphragm
» 1.5" exit
» Neodymium magnetic structure
» Self-centering precision diaphragm assembly



(*) Compression Drivers Sensitivity is an average in the midrange bandpass for each model.

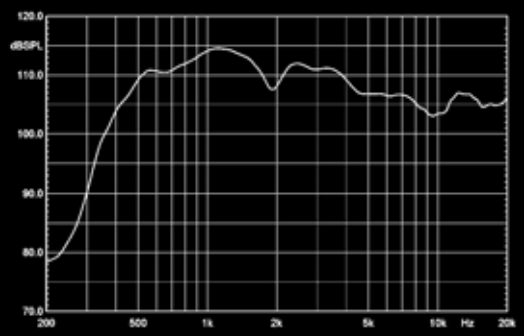
250W
Ferrite Compression
Driver

K-8

Technical Specifications

Throat Exit Diameter	50 mm (1.97")
Nominal Impedance	16 ohms
Minimum Impedance	10.5 ohms
AES Power Capacity	125W, from 1 kHz up
Program Power Capacity	250W, from 1 kHz up
Sensitivity	110 dB SPL (with BP-2 horn)
Nominal Frequency Range	500 Hz - 20 kHz
Voice Coil Diameter	100 mm. (3.95")
Voice Coil Material	Edge-wound ACCW
Phase Plug	4-slit Aluminium
Flux Density	1.9 T (19 kG)
Diaphragm	Titanium
Magnet	Anisotropic Barium Ferrite
Minimum Recommended X-Over Frequency	500 Hz
Polarity	Positive Voltage to red terminal moves diaphragm AWAY from phase plug

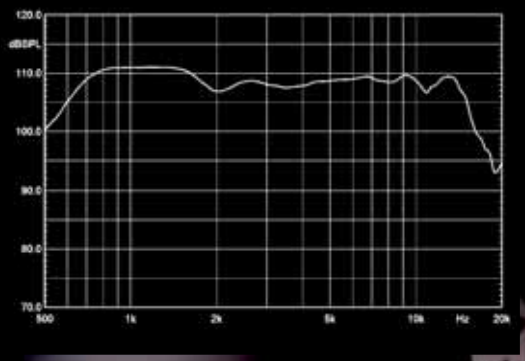
» Motor de compresión de 250 W programa
» Diafragma de Titanio de 4" de diámetro
» Salida de 2"
» Estructura Magnética Cerámica
» Diafragma con sistema de autocentrado de precisión
» 250 W program HF compression driver
» 4" pure titanium diaphragm
» 2" exit
» Ceramic magnetic structure
» Self-centering precision diaphragm assembly



160W
Neo Compression
Driver

M-75N

» Motor de compresión de 160 W programa
» Diafragma de Titanio de 3" de diámetro
» Salida de 1.5"
» Estructura Magnética de Neodimio
» Diafragma con sistema de autocentrado de precisión
» 160 W program HF compression driver
» 3" pure titanium diaphragm
» 1.5" exit
» Neodymium magnetic structure
» Self-centering precision diaphragm assembly



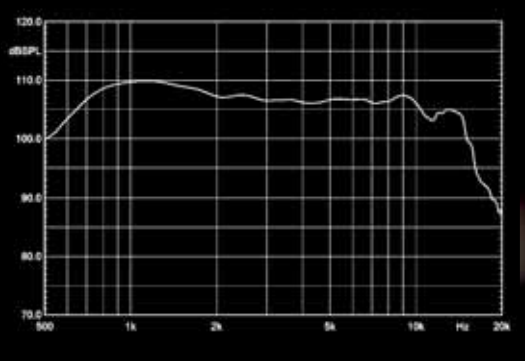
Technical Specifications

Throat Exit Diameter	38.6 mm (1.52")
Nominal Impedance	8 ohms
Minimum Impedance	8 ohms
AES Power Capacity	80W, from 1 kHz up
Program Power Capacity	160W, from 1 kHz up
Sensitivity	110 dB SPL (in BP-64 horn)
Nominal Frequency Range	1 - 20 kHz
Voice Coil Diameter	73 mm (2.9")
Voice Coil Material	Edge-wound ACCW
Phase Plug	3-slit Aluminium
Flux Density	1.9 T (19 kG)
Diaphragm	Titanium
Magnet	Neodymium
Minimum Recommended X-Over Frequency	1 kHz
Polarity	Positive Voltage to red terminal moves diaphragm AWAY from phase plug

160W
Ferrite Compression
Driver

M-75

» Motor de compresión de 160 W programa
» Diafragma de Titanio de 3" de diámetro
» Salida de 1.5"
» Estructura Magnética Cerámica
» Diafragma con sistema de autocentrado de precisión
» 160 W program HF compression driver
» 3" pure titanium diaphragm
» 1.5" exit
» Ceramic magnetic structure
» Self-centering precision diaphragm assembly



Technical Specifications

Throat Exit Diameter	38.6 mm (1.52")
Nominal Impedance	8 ohms
Minimum Impedance	8 ohms
AES Power Capacity	80W, from 1 kHz up
Program Power Capacity	160W, from 1 kHz up
Sensitivity	108 dB SPL (in BP-64 horn)
Nominal Frequency Range	1 - 20 kHz
Voice Coil Diameter	73 mm (2.9")
Voice Coil Material	Edge-wound ACCW
Phase Plug	3-slit Aluminium
Flux Density	1.7 T (17 kG)
Diaphragm	Titanium
Magnet	Anisotropic Barium Ferrite
Minimum Recommended X-Over Frequency	1 kHz
Polarity	Positive Voltage to red terminal moves diaphragm AWAY from phase plug

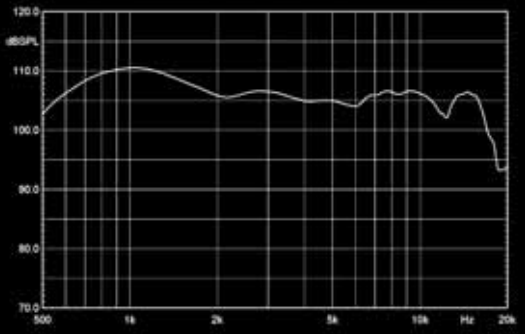
160W
Ferrite Compression
Driver

M-80

Technical Specifications

Throat Exit Diameter	50 mm (1.97")
Nominal Impedance	8 ohms
Minimum Impedance	8 ohms
AES Power Capacity	80W, from 1 kHz up
Program Power Capacity	160W, from 1 kHz up
Sensitivity	108 dB SPL (in BP-2 horn)
Nominal Frequency Range	1 - 20 kHz
Voice Coil Diameter	73 mm (2.9")
Voice Coil Material	Edge-wound ACCW
Phase Plug	3-slit Aluminium
Flux Density	1.7 T (17 kG)
Diaphragm	Titanium
Magnet	Anisotropic Barium Ferrite
Minimum Recommended X-Over Frequency	1 kHz
Polarity	Positive Voltage to red terminal moves diaphragm AWAY from phase plug

» Motor de compresión de 160 W programa
» Diafragma de Titanio de 3" de diámetro
» Salida de 2"
» Estructura Magnética Cerámica
» Diafragma con sistema de autocentrado de precisión
» 160 W program HF compression driver
» 3" pure titanium diaphragm
» 2" exit
» Ceramic magnetic structure
» Self-centering precision diaphragm assembly



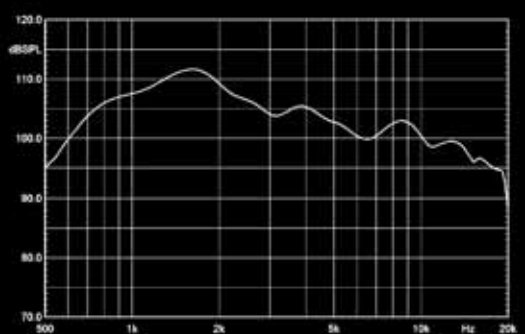
100W
Neo Compression
Driver

M-50N

Technical Specifications

Throat Exit Diameter	25 mm (0.98")
Nominal Impedance	8 ohms
Minimum Impedance	8 ohms
AES Power Capacity	50W, from 1 kHz up
Program Power Capacity	100W, from 1 kHz up
Sensitivity	107 dB SPL (in BP-85 horn)
Nominal Frequency Range	1 - 20 kHz
Voice Coil Diameter	44 mm (1.73")
Voice Coil Material	Edge-wound ACCW
Phase Plug	2-slit Aluminium
Flux Density	1.6 T (16 kG)
Diaphragm	Titanium
Magnet	Neodymium
Minimum Recommended X-Over Frequency	1 kHz
Polarity	Positive Voltage to red terminal moves diaphragm AWAY from phase plug

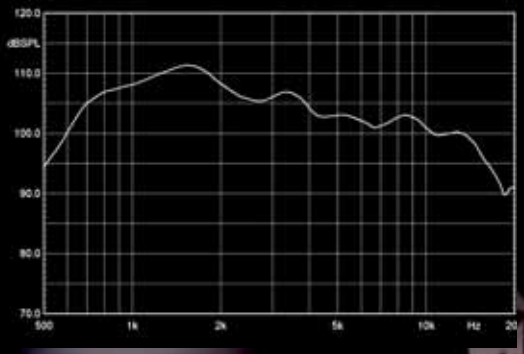
» Motor de compresión de 100 W programa
» Diafragma de Titanio de 1.75" de diámetro
» Salida de 1"
» Estructura Magnética de Neodimio
» Diafragma con sistema de autocentrado de precisión
» 100 W program HF compression driver
» 1.75" pure titanium diaphragm
» 1" exit
» Neodymium magnetic structure
» Self-centering precision diaphragm assembly



100W
Ferrite Compression
Driver

M-50

» Motor de compresión de 100 W programa
» Diafragma de Titanio de 1.75" de diámetro
» Salida de 1"
» Estructura Magnética Cerámica
» Diafragma con sistema de autocentrado de precisión
» 100 W program HF compression driver
» 1.75" pure titanium diaphragm
» 1" exit
» Ceramic magnetic structure
» Self-centering precision diaphragm assembly



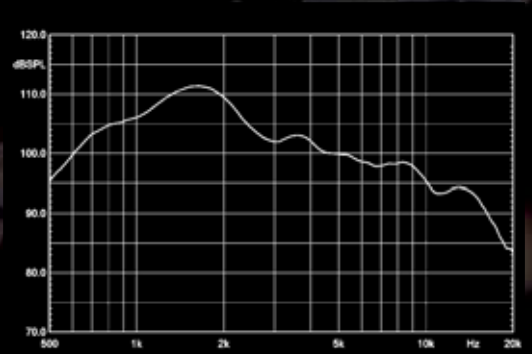
Technical Specifications

Throat Exit Diameter	25 mm (0.98")
Nominal Impedance	8 ohms
Minimum Impedance	8 ohms
AES Power Capacity	50W, from 1 kHz up
Program Power Capacity	100W, from 1 kHz up
Sensitivity	107 dB SPL (in BP-85 horn)
Nominal Frequency Range	1 - 20 kHz
Voice Coil Diameter	44 mm (1.73")
Voice Coil Material	Edge-wound ACCW
Phase Plug	2-slit Aluminium
Flux Density	1.6 T (16 kG)
Diaphragm	Titanium
Magnet	Anisotropic Barium Ferrite
Minimum Recommended X-Over Frequency	1 kHz
Polarity	Positive Voltage to red terminal moves diaphragm AWAY from phase plug

100W
Ferrite Compression
Driver

M-30

» Motor de compresión de 100 W programa
» Diafragma de Titanio de 1.75" de diámetro
» Salida de 1"
» Estructura Magnética Cerámica
» Diafragma con sistema de autocentrado de precisión
» 100 W program HF compression driver
» 1.75" pure titanium diaphragm
» 1" exit
» Ceramic magnetic structure
» Self-centering precision diaphragm assembly



Technical Specifications

Throat Exit Diameter	25 mm (0.98")
Nominal Impedance	8 ohms
Minimum Impedance	8 ohms
AES Power Capacity	50W, from 1 kHz up
Program Power Capacity	100W, from 1 kHz up
Sensitivity	105 dB SPL (in BP-85 horn)
Nominal Frequency Range	1 - 20 kHz
Voice Coil Diameter	44 mm (1.73")
Voice Coil Material	Edge-wound ACCW
Phase Plug	2-slit Aluminium
Flux Density	1.4 T (16 kG)
Diaphragm	Titanium
Magnet	Anisotropic Barium Ferrite
Minimum Recommended X-Over Frequency	1 kHz
Polarity	Positive Voltage to red terminal moves diaphragm AWAY from phase plug

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