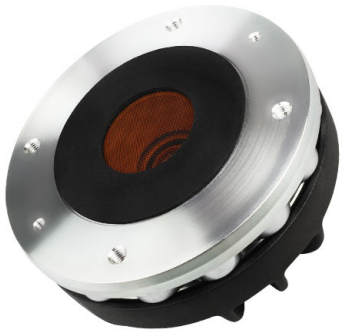
PROFESSIONAL LOUDSPEAKERS

HF146R

1.4" - 80 W - 109 dB - 8 Ohm



NOMINAL SPECIFICATIONS

Throat Diameter	35.6 mm (1.4 in)
Overall Diameter	123 mm (4.84 in)
90° Mounting Holes Diameter (4xM6)	102 mm (4.02 in)
Depth	63.5 mm (2.5 in)
Net Weight	**2 kg (4.4 lb)**
Shipping Box (Single carton box)	185 x 170 x 122 mm (7.3 x 6.7 x 4.8 in)
Shipping Weight	2.3 kg (5.1 lb)

PART NUMBER

Push Terminals - 8 Ohm Version	00654255
Recone Kit - 8 Ohm Version	R0654255

TECHNICAL PARAMETERS

Nominal Impedance	8 Ohm
Minimum Impedance	6.8 Ohm
AES Power above 0.9 kHz (1)	**80 W**
AES Power above 0.65 kHz	40 W
Maximum Power above 0.9 kHz (2)	**160 W**
Maximum Power above 0.65 kHz	80 W
Minimum Crossover Frequency **(3)**	0.9 kHz
Sensitivity (1W/1m) (4)	**109 dB**
Frequency Range	0.7÷18 kHz
Voice Coil Diameter	**65 mm (2.56 in)**
Winding Material	**Al**
Former Material	Kapton
Diaphragm Material	**Ketone Polymer**
Diaphragm Shape	Dome
Winding Depth	3.75 mm (0.15 in)
Magnetic Gap Depth	4.2 mm (0.17 in)
Flux Density	1.7 T
Magnet	Neodymium Slug Crown
Re	5.5 Ohm
Phase Plug Design	Annular
Exit Angle **(5)**	29° Conical
NET Air Volume filled by HF Driver	0.55 dm^3 (0.019 ft^3)

NOTES:

Driver mounted on **FaitalPRO LTH142 Horn**

Perforated suspension for acoustic tuning

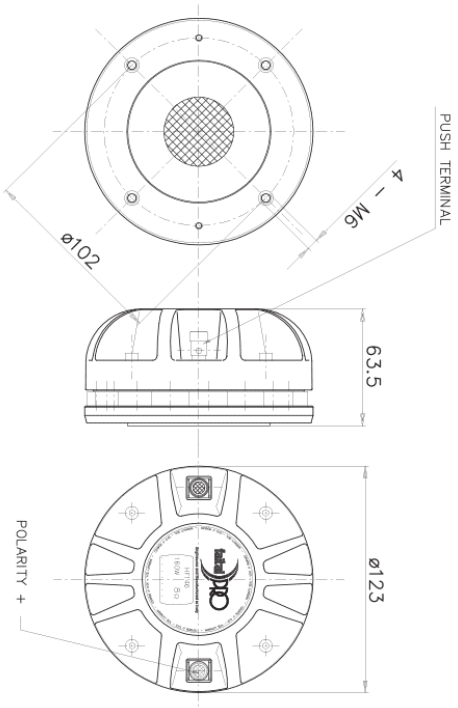
(1) 2 Hours Test According to AES 2-1984 Rev. 2003

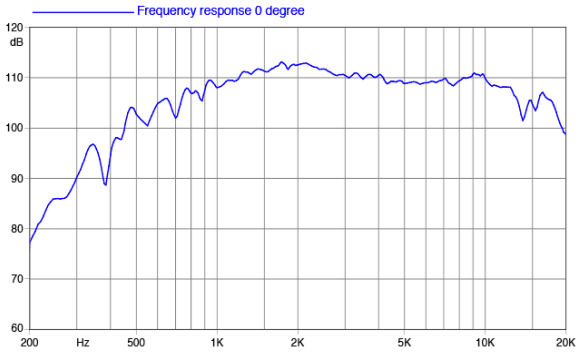
(2) Maximum power is defined as 3dB greater than nominal power.

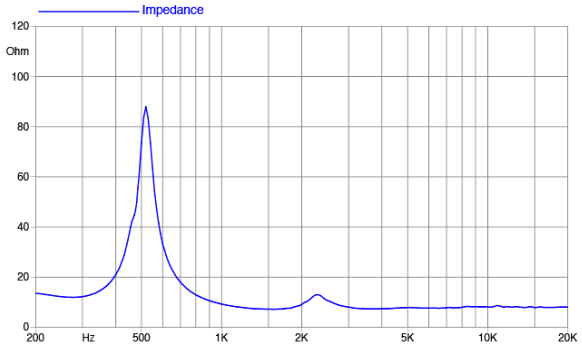
(3) 12 dB/oct or higher slope high-pass filter

(4) Averaged within the frequency range

(5) The phase plug is recessed from the driver's exit which is at the end of a conical adaptation horn.







©Copyright 2026 **Faital S.p.A.** • All rights reserved.