PROFESSIONAL LOUDSPEAKERS

4FE42

4" - 40 W - 94 dB - 8 Ohm



NOMINAL SPECIFICATIONS

Nominal Diameter	100 mm (4 in)
Overall Diameter	129.85/100.5 mm (5.11/3.96 in)
Bolt Circle Diameter	115.26 mm (4.54 in)
Baffle Cutout Diameter	91.5 mm (3.60 in)
Depth	54.1 mm (2.13 in)
Flange and Gasket Thickness	7 mm (0.28 in)
Net Weight	**390 g (0.9 lb)**
Shipping Box (Single Carton Box - 8 units)	225 x 225 x 150 mm (8.9 x 8.9 x 5.9 in)
Shipping Weight (8 units)	3.6 kg (7.9 lb)

PART NUMBER

Faston Terminals - 8 Ohm Version	01004370

NOTES:

Packaged and sold in multiples of 8 units

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

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

(3) NBR (Rubber)

(4) Xmax= [(winding depth - magnetic gap depth)/2] + (magnetic gap depth/3)

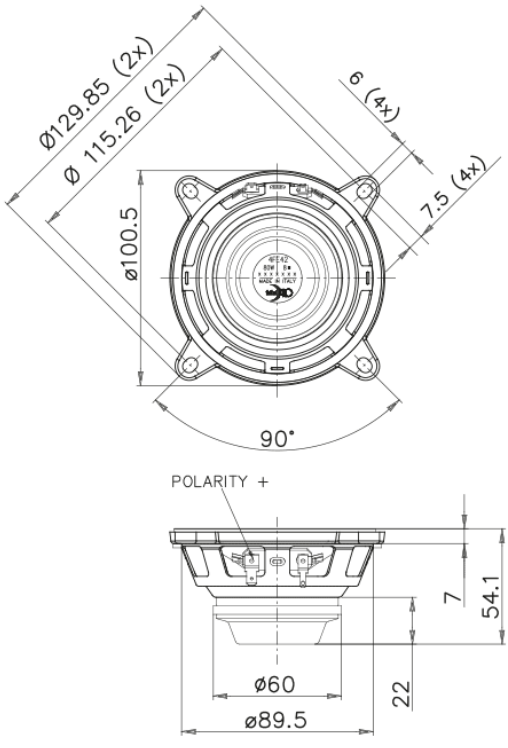
(5) Maximum excursion before permanent damage

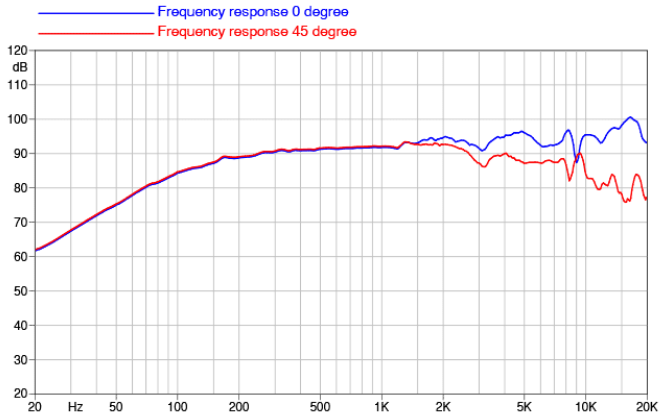
TECHNICAL PARAMETERS

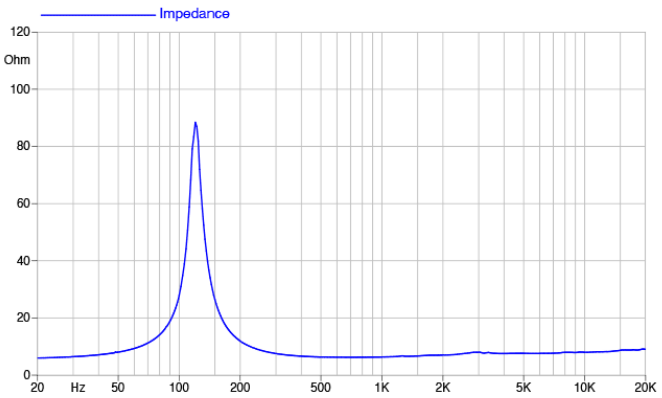
Nominal Impedance	8 Ohm
Minimum Impedance	6.2 Ohm
AES Power Handling **(1)**	40 W
Maximum Power Handling (2)	**80 W**
Sensitivity (1W/1m)	**94 dB**
Frequency Range	100÷20000 Hz
Voice Coil Diameter	**25 mm (0.98 in)**
Winding Material	Al
Former Material	Kapton
Winding Depth	7 mm (0.28 in)
Magnetic Gap Depth	**4 mm (0.16 in)**
Flux Density	1.4 T
Magnet	Neodymium Ring
Basket Material	Steel
Demodulation	Copper Cap
Cone Surround **(3)**	Half Roll
NET Air Volume filled by Loudspeaker	0.105 dm^3 (0.004 ft^3)
Spider Profile	1x constant height waves

THIELE & SMALL PARAMETERS

Fs	110 Hz
Re	5.4 Ohm
Qes	0.50
Qms	8.0
Qts	0.47
Vas	1.9 dm^3 (0.07 ft^3)
Sd	50.9 cm^2 (7.89 in^2)
Xmax **(4)**	2.83 mm
Xdamage **(5)**	5.1 mm
Mms	4.0 g
Bl	6 N/A
Le	0.07 mH
Mmd	3.6 g
Cms	0.52 mm/N
Rms	0.3 kg/s
Eta Zero	0.59 %
EBP	220 Hz







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