PROFESSIONAL LOUDSPEAKERS

10PR300

10" - 300 W - 97 dB - 16 Ohm



NOMINAL SPECIFICATIONS

Nominal Diameter	250 mm (10 in)
Overall Diameter	261 mm (10.28 in)
Bolt Circle Diameter	246 mm (9.69 in)
Baffle Cutout Diameter	232 mm (9.13 in)
Depth	115.3 mm (4.54 in)
Flange and Gasket Thickness	12.2 mm (0.48 in)
Net Weight	**2.3 kg (5.1 lb)**
Shipping Box (Single Carton Box)	294 x 290 x 203 mm (11.6 x 11.4 x 8.0 in)
Shipping Weight	2.8 kg (6.2 lb)

PART NUMBER

Push Terminals - 16 Ohm Version	02503980
Recone Kit - 16 Ohm Version	R2503980

TECHNICAL PARAMETERS

Nominal Impedance	16 Ohm
Minimum Impedance	13 Ohm
AES Power Handling **(1)**	300 W
Maximum Power Handling (2)	**600 W**
Sensitivity (1W/1m)	**97 dB**
Frequency Range	65÷5000 Hz
Voice Coil Diameter	**65 mm (2.56 in)**
Winding Material	Al
Former Material	Glass Fiber
Winding Depth	12.5 mm (0.49 in)
Magnetic Gap Depth	**8 mm (0.31 in)**
Flux Density	1.25 T
Magnet	Neodymium Slug
Basket Material	Aluminum
Demodulation	No
Cone Surround **(3)**	M-Roll
NET Air Volume filled by Loudspeaker	1.3 dm^3 (0.046 ft^3)
Spider Profile	1x variable height waves

THIELE & SMALL PARAMETERS

Fs	65 Hz
Re	12.1 Ohm
Qes	0.52
Qms	5.8
Qts	0.48
Vas	30.6 dm^3 (1.08 ft^3)
Sd	348 cm^2 (53.94 in^2)
Xmax **(4)**	4.92 mm
Xdamage **(5)**	14 mm
Mms	33.1 g
Bl	18 N/A
Le	0.85 mH
Mmd	25.8 g
Cms	0.18 mm/N
Rms	2.3 kg/s
Eta Zero	1.62 %
EBP	125 Hz

NOTES:

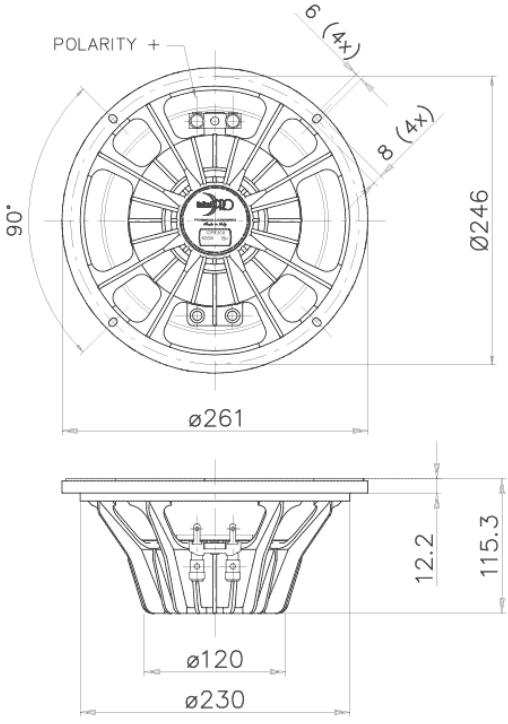
(1) 2 Hours Test According to AES 2-1984 Rev. 2003

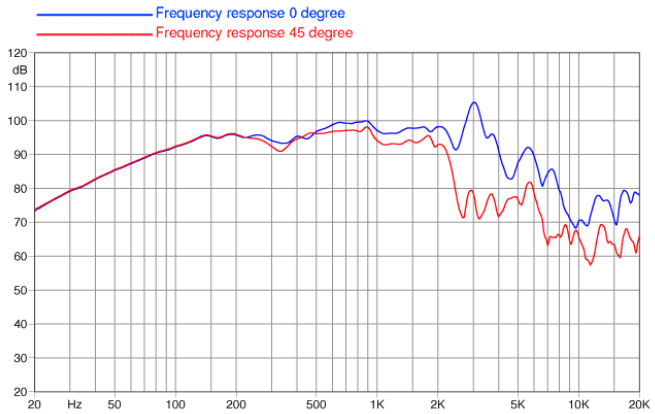
(2) Maximum power is defined as 3dB greater than nominal power.

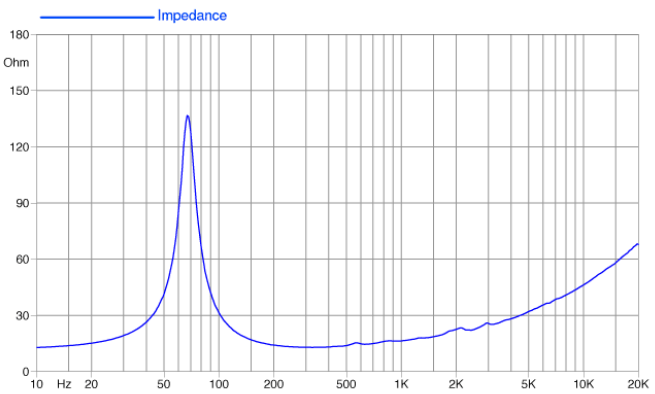
(3) Treated Polycotton

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

(5) Maximum excursion before permanent damage







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