18" 2000W

Code Z008407

18 K 4 PL 4Ω

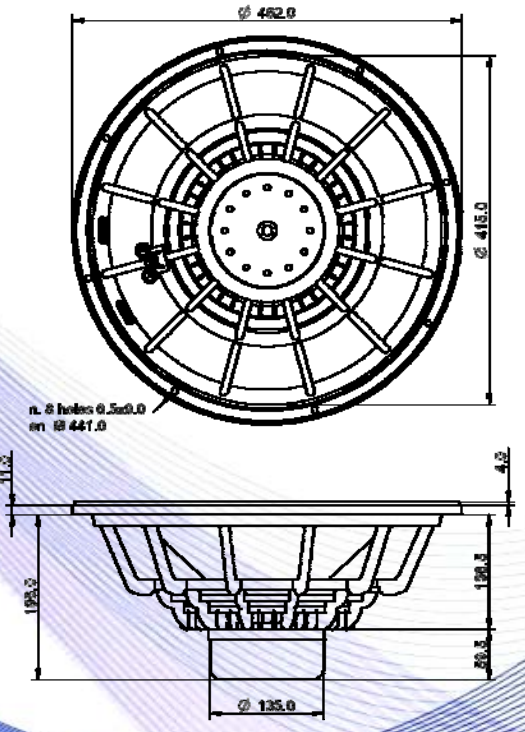
Professional Woofer

- 4” sandwich voice coil fiberglass former
- Double progressive wave Konex spider
- Cloth surround with DAR technology
- Autoclave waterproof cone treatment
- Neodymium magnet circuit
- Ventilated magnet to reduce power compression
- 97.7 dB sensitivity

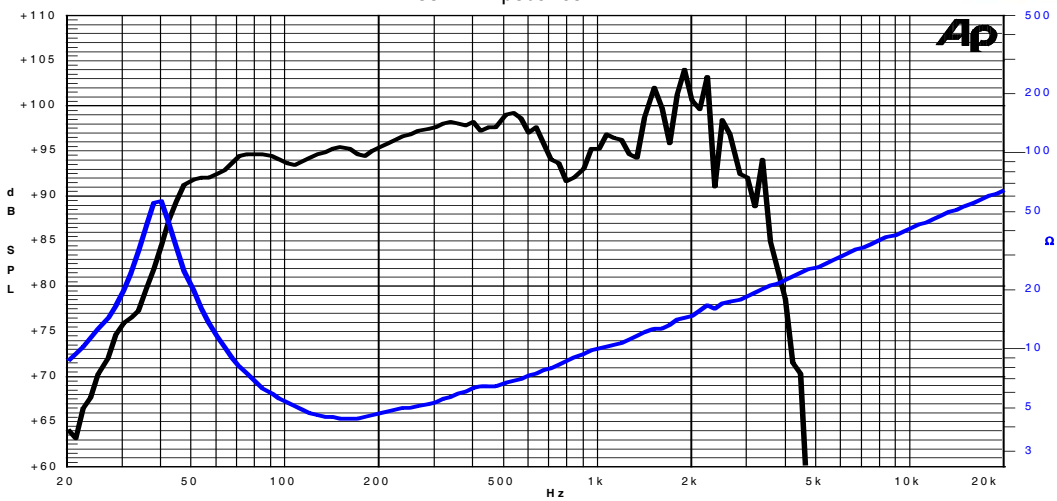
Specifications	
Nominal Diameter	462mm (18")
Nominal Impedance	4Ω
Rated Power AES (1)	1000W
Continuous Program Power (2)	2000W
Sensitivity @ 1W/1m (3)	97.7dB
Voice Coil Diameter	100mm (4")
Voice Coil Winding Depth	21mm
Magnetic Gap Depth	12mm
Flux Density	1.21T
Magnet Weight	536g
Net Weight	8.3kg

Thiele & Small Parameters (4)			
Re	3.18Ω	Fs	39.0Hz
Qms	5.68	Qes	0.34
Qts	0.32	Mms	191.2g
Cms	87µm/N	Bxl	20.87Tm
Vas	166.0l	Sd	1164.2cm²
X max (5)	+/-5.5mm	X var (6)	+/-8.2mm
η_0	2.79%	Le (1kHz)	1.09mH

Constructive Characteristics	
Magnet	: Neodymium
Basket Material	: Aluminium Die-Cast
Voice Coil Winding Material	: Copper
Voice Coil Former Material	: Fiberglass
Cone Material	: Paper
Cone Treatment	: Humidity Resistant Pulp
Surround Material	: Treated Cloth
Dust Dome Material	: Solid Paper



Frequency Response on 150 Litres Vented Box @ 1W, 1m
Free Air Impedance



Note:
1 : Rated Power measured with 2 hours test with pink noise signal, 6dB crest factor, loudspeaker mounted on enclosure
2: Power on Continuous Program is defined as 3 dB greater than the Rated Power
3: Calculated by Thiele & Small parameters
4: Thiele & Small parameters measured with laser system without preconditioning test
5: Measured with respect to a THD of 10% using a parameter-based method
6: Value corresponding to a decay of the Force Factor, or Compliance, or both, equal to the 50% of the small signal value.
7: Drawing dimensions: mm

Due to continuing product improvement, the features and the design are subject to change without notice. 19/03/14

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