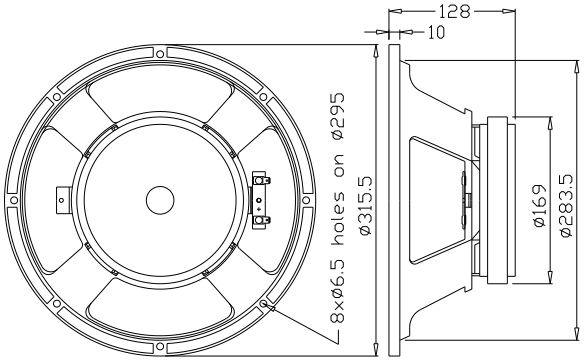
HIPOWER

L12/6464

12 " — 300W — 8 Ω

Woofer

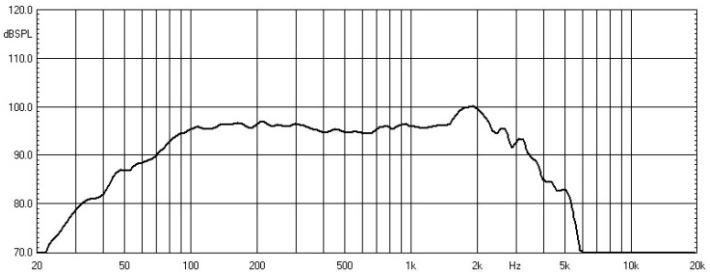


KEY FEATURES:

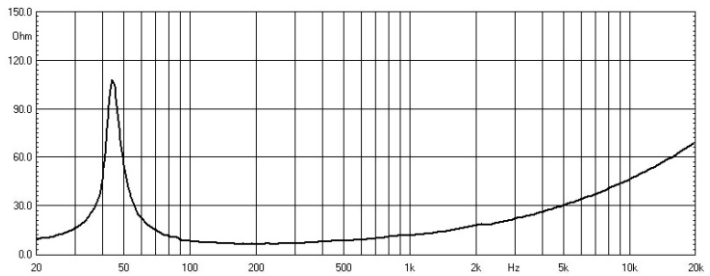
- ▶ 600 W continuous program power handling
- ▶ 95dB Sensitivity 1w/1m
- ▶ 44Hz ~ 3.5kHz frequency response range
- ▶ 64mm(2.5 in) inside/outside copper voice coil with fiberglass former
- ▶ Ideal for high quality compact 2 or 3-way systems

主要特征:

- ▶ 额定功率：300W（AES标准）
- ▶ 灵敏度：95dB
- ▶ 频率响应范围：44Hz~3.5k Hz
- ▶ 64mm 内外绕耐高温音圈，成倍增强音圈散热面积，聚酰亚胺玻璃纤维骨架
- ▶ 适用于高品质的2路或3路系统



Frequency response curve of the loudspeaker taken in free-field(4pi) environment and mounted in a closed enclosure with an internal volume of 600 Litres enclosing the rear of driver, 1w/1m.



Impedance magnitude curve measured in free air.

SPECIFICATIONS

General Specifications		
Nominal Diameter	300/12	mm/inch
Rated Impedance	8	ohm
Nominal Power handling[1]	300	Watts
Program Power[2]	600	Watts
Sensitivity(1w/1m)[3]	95	dB
Frequency Range[4]	44 - 3.5k	Hz
Minimum Impedance(Zmin)	6.0	ohm
Voice Coil Diameter	64/2.5	mm/inch
Voice Coil Material	Copper	
Voice Coil Winding Depth	16	mm
Number of layers	2(Inside/Outside)	
Magnet gap depth	8	mm
Cone Shape	Curved	
Surround Shape	M-roll	
Basket	Cast Aluminum	
Flux Density	1.1	T
Magnet Material/Mass	Ceramic/1.64	kg

Thiele - Small Parameters			
Resonance frequency	Fs	44.6	Hz
DC resistance	Re	5.3	ohm
Mechanical factor	Qms	8.24	
Electrical factor	Qes	0.42	
Total factor	Qts	0.40	
Mechanical compliance	Cms	0.23	mm/N
Mechanical resistance of suspension losses	Rms	1.88	mech-ohm
Effective Moving Mass	Mms	55.3	gr
Half-space efficiency	Eff	1.81	%
BL Factor	BL	14	T.m
Equivalent Cas air load	Vas	89	liters
Effective piston area	Sd	0.0527	m^2
Max. linear excursion[5]	Xmax	6	mm
Voice - coil inductance	Le1K	1.12	mH

Mounting Information		
Overall Diameter	315.5	mm
Bolt Circle Diameter	295	mm
Bolt Hole Diameter	6.5	mm
Baffle Cutout Diameter	283.5	mm
Overall Depth	128	mm
Net Weight	5.3	kg

NOTES:

1. *AES standard(50~500Hz).*
2. *Program Power is defined as 3 dB greater than the nominal power handling.*
3. *Sensitivity is measured at 1W input on rated impedance at 1m on axis and averaged between 100Hz and 1000Hz.*
4. *Frequency range is defined as the band of frequencies delineated by the lower and upper limits where the output level drops by 10dB below the rated sensitivity.*
5. *The maxinum linear excursion is calculated as: (Hvc-Hg)/2+Hg/4 where Hvc is the voice coil depth and Hg is the gap depth.*

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