

U8015

VERIFIED WITH
KLIPPEL

☀️ 15 inch ☀️ 400 Watts
☀️ 99 dB ☀️ 38 ~ 3000 Hz



KEY FEATURES:

- ① 800 W continuous program power capacity
- ② High sensitivity: 99dB 1w/1m
- ③ Very smooth response up to 3000Hz
- ④ 76mm(3") copper clad aluminum voice coil
- ⑤ Non pressed cone to supply additional damping
- ⑥ Unique eight-sided (Octagon) die-cast aluminum basket
- ⑦ FEA optimized magnetic circuit; a colorful aluminum ring on the back plate
- ⑧ Ideal for compact reflex enclosures and two way systems

GENERAL SPECIFICATIONS

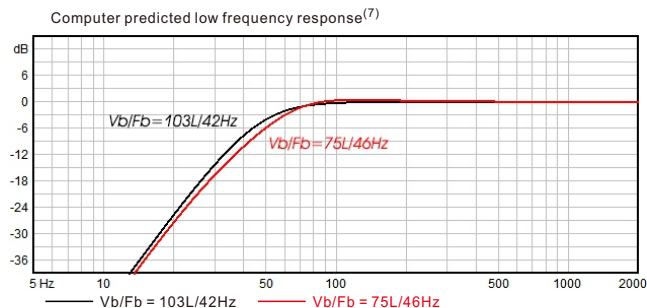
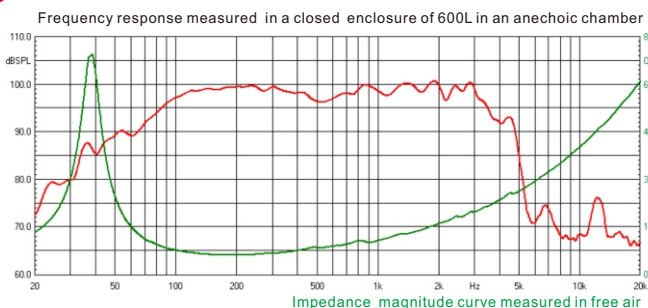
Nominal Diameter	380mm /15inch
Rated Impedance	8 ohm
Nominal Power handling ¹	400 Watts
Program Power ²	800 Watts
Sensitivity(1w/1m) ³	99 dB
Frequency Range ⁴	38 ~ 3000Hz
Minimum Impedance(Zmin)	6.7 ohm
Voice Coil Diameter	76mm /3inch
Voice Coil Material	CCAW
Former Material	Glass Fiber
Voice Coil Winding Depth	18.7 mm
Number of layers	2
Magnet gap depth	10 mm
Basket	Cast Aluminum
Flux Density	1.15 T
Magnet Out Diameter/Wgt	190mm / 78 oz

THIELE - SMALL PARAMETERS⁵

Resonance frequency	Fs	38.5 Hz
DC resistance	Re	5.4 ohm
Mechanical factor	Qms	4.8
Electrical factor	Qes	0.37
Total factor	Qts	0.34
Mechanical compliance	Cms	0.19 mm/N
Mechanical resistance of total-driver losses	Rms	4.46 kg/s
Effective Moving Mass	Mms	88.5 g
Half-space efficiency	Eff	3.2%
BL Factor	BL	17.7 T.m
Equivalent Cas air load	Vas	217 liters
Effective piston area	Sd	0.0892 m ²
Max. linear excursion ⁶	Xmax	± 7 mm
Max. excursion before damage	Xdam	±17.4mm
Voice coil inductance(1kHz)	Le	0.96 mH
Efficiency Bandwidth Product	EBP	104

MOUNTING INFORMATION

Overall Diameter	390 mm
Bolt Circle Diameter	398 mm
Bolt Hole Diameter	6.5 mm
Baffle Cutout Diameter	353 mm
Overall Depth	165 mm
Air volume occupied by driver	5.7 liters
Net Weight	7.1 kg
Shipping Weight	8.2 kg
Shipping Box	430x430x205 mm



NOTES:

1. AES standard
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.
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. Thiele-Small parameters are measured with Klippel DA LPM module after an AES power preconditioning test and represent the expected long term parameters after a short term of use.
6. The maximum linear excursion is calculated as: $(Hvc-Hg)/2 + Hg/4$ where Hvc is the voice coil depth and Hg is the gap depth.
7. Vb: Net internal volume of box after subtracting the volume of internal objects.