ND9415w

☀ *15 inch*   ☀ *700 Watts*
☀ *97 dB*   ☀ *40 ~ 2500 Hz*

KEY FEATURES:

① 1400 W continuous program power capacity
② 97dB sensitivity 1w/1m
③ 100mm(4") high temperature inside/outside voice coil with copper clad aluminum wire
④ Ventilated voice coil gap for reduced power compression
⑤ Neodymium magnet allows a very light yet powerful motor assembly
⑥ Aluminum demodulating ring for low distortion
⑦ Weather protected cone for outdoor usage
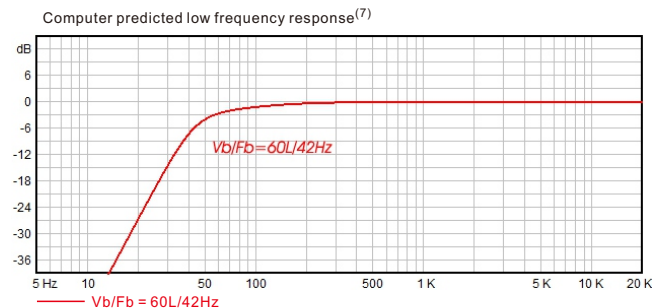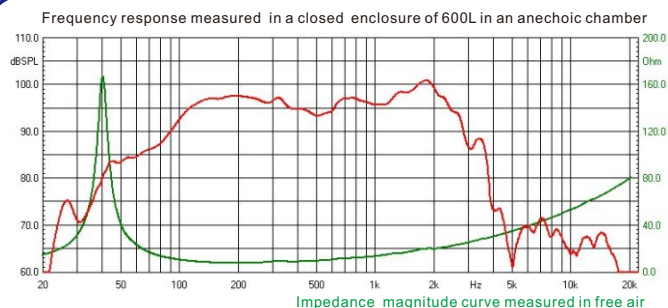⑧ Ideal for compact 2 or 3−way systems

GENERAL SPECIFICATIONS

Nominal Diameter	380mm /15inch
Rated Impedance	8 ohm
Nominal Power handling[1]	700 Watts
Program Power[2]	1400 Watts
Sensitivity(1w/1m)[3]	97 dB
Frequency Range[4]	40 ~ 2500Hz
Minimum Impedance(Zmin)	7.3 ohm
Voice Coil Diameter	100mm /4inch
Voice Coil Material	CCAW
Former Material	Glass Fiber
Voice Coil Winding Depth	22 mm
Number of layers	2(inside/outside)
Magnet gap depth	12 mm
Basket	Cast Aluminum
Flux Density	1.2T
Magnet Material	Neodymium

THIELE − SMALL PARAMETERS[5]

Resonance frequency	F_s	40.5 Hz
DC resistance	R_e	5.7 ohm
Mechanical factor	Q_{ms}	9.3
Electrical factor	Q_{es}	0.33
Total factor	Q_{ts}	0.32
Mechanical compliance	C_{ms}	0.11 mm/N
Mechanical resistance of total-driver losses	R_{ms}	3.9 kg/s
Effective Moving Mass	M_{ms}	142 g
Half-space efficiency	E_{ff}	2.0%
BL Factor	BL	25 T.m
Equivalent Cas air load	V_{as}	104 liters
Effective piston area	S_d	0.0830 m^2
Max. linear excursion[6]	X_{max}	± 7 mm
Max. excursion before damage	X_{dam}	±26mm
Voice coil inductance(1kHz)	L_e	1.35 mH
Efficiency Bandwidth Product	EBP	122

MOUNTING INFORMATION

Overall Diameter	393 mm
Bolt Circle Diameter	375 mm
Bolt Hole Diameter	6.5 mm
Baffle Cutout Diameter	355 mm
Overall Depth	182 mm
Air volume occupied by driver	5.3 liters
Net Weight	8.3 kg
Shipping Weight	9.4 kg
Shipping Box	430x430x205mm

Frequency response measured in a closed enclosure of 600L in an anechoic chamber

Impedance magnitude curve measured in free air

Computer predicted low frequency response[7]

Vb/Fb=60L/42Hz

Vb/Fb = 60L/42Hz

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. T/S parameters measured with laser system BEFORE preconditioning test.
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.