



KEY FEATURES:

- 101.5 db SPL 1W / 1m (LF) average sensitivity
- 100 mm (4") high temperature voice coil (LF)
- 800 W AES program power (LF)
- Aluminium demodulating ring
- Silicon spider
- Copper plated pole piece and top plate (LF)
- Water protected cone - front
- 1.4" exit HF neodymium compression driver
- 72 mm (2.85") HF high temperature voice coil
- 60 degrees conical integrated horn

PART NUMBER: 13115N0108

Application: Stage monitors and compact bass reflex boxes.

Description: The 15H4CX72 is a 15" / 1.4" coaxial transducer designed for use in compact reflex enclosures and high end stage monitors with a nominal dispersion 60 degrees conical.

The low profile, smooth curvilinear LF cone provides smooth response within its intended frequency range and water prove protective coating, allowing application in a wide range of environments. The state-of-the-art extreme light 100 mm (4 in) LF voice coil ensure low Mms which gives perfect voice reproduction.

The aluminium demodulating ring in the magnet structure reduces distortion and inductance and together with copper plated pole piece and top plate improve transient response.

The neodymium 1.4" exit compression driver adopted is our ND72HB model.

The HF driver diaphragm assembly, using hybrid dome this together with phasing plug improve linearity of frequency response in high end. The double magnetic structure allow to get maximum performance.

The HF part of magnet structure has cooper ring on the pole piece, which reduces the inductance figure of frequencies above 10 kHz, improving phase and impedance linearisation. This ensures extremely high SPL in the high end of the frequency response.

SPECIFICATIONS

Nominal diameter 388 mm (15 in)
Impedance LF 8 OHM / HF 16 Ohm
Minimum impedance LF 7 Ohm
Frequency range 50 – 18000 Hz
Dispersion angle 60 deg
LF unit
Sensitivity (200-1000 Hz) 101.5 dB
Power Capacity AES ¹ 400 W
Program Power ² 800 W
Voice Coil Diameter 100 mm (4 in)
Voice Coil Material Copper Clad Aluminium
Voice Coil Former Glassfiber
V. C. Winding Depth 6 mm
Magnet Gap Depth 12 mm
Cone Material Paper
Basket Die Cast Aluminium
Magnet Neodymium
Flux Density 1.37 T

HF unit

Minimum impedance HF 11.29 Ohm
DC resistance 10 ohm
Sensitivity (1-15 kHz) 110 dB
Power capacity (1-20 kHz) 100 W
Program power 200 W
Voice coil diameter 72 mm (2.85 in)
Winding material (Copper Clad Aluminium)
Diaphragm material Hybrid
Flux density 2 T

THIELE-SMALL PARAMETERS

Fs 56.29 Hz
Qms 11.50
Qes 0.379
Qts 0.367
Vas 113.09 Litres
Mms 55.65 grams
Re 6.4 Ohms
Sd 750 cm²
Xmax* ± 4.5 mm
Cms 0.144 mm/N
BL 18.223 T.m
Le at 1kHz 0.381 mH

*1. AES standard. Power is calculated on rated minimum impedance.
Measurement is in 125 L box enclosure tuned 56 Hz using a 40-400 Hz
band limited pink noise test signal applied continuously for 2 hours.
2. Program power is defined as 3db greater than AES Power Capacity.
* Linear Mathematical Xmax is calculated as: $(H_{vc} - H_g)/2 + H_g/4$
where H_{vc} is the voice coil depth and H_g is the gap depth.*

MOUNTING INFORMATION

Overall Diameter 388 mm
Depth 242 mm
Baffle Hole Diameter 352 mm
Mounting Holes 8 elliptic 7x8 mm
Bolt Circle Diameter 370/372 mm
Net Weight 10.5 kg

LF Recone Kit:

RK15H4CX72, part No: R3115N0108

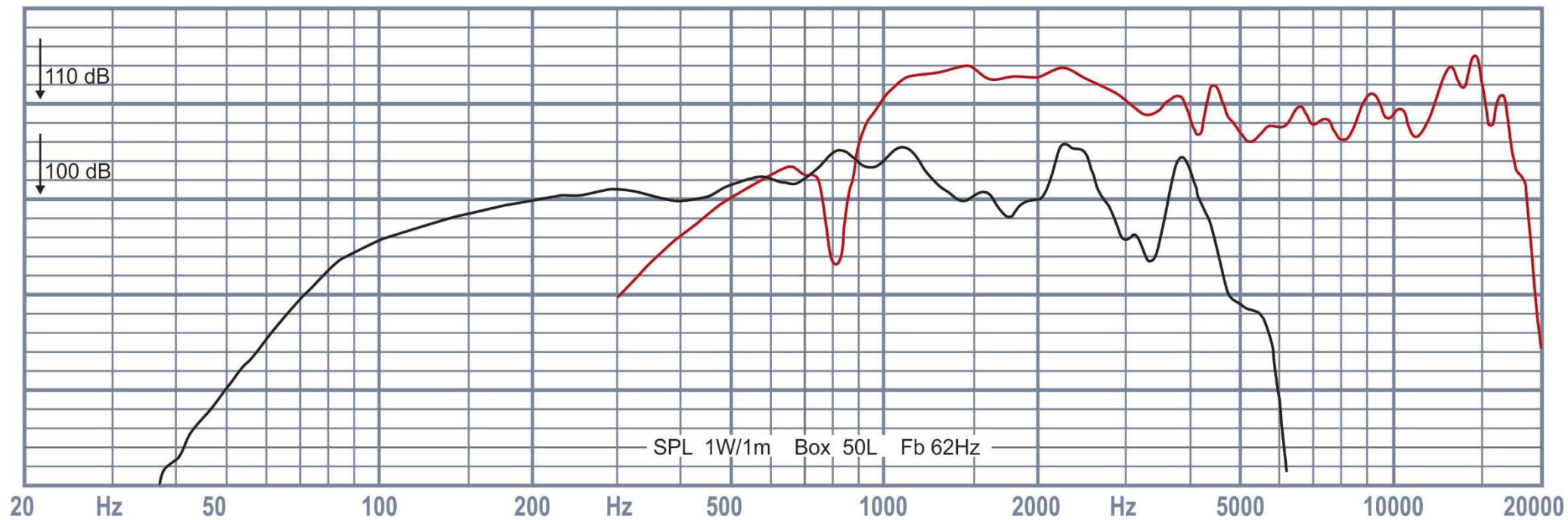
HF Service Kit:

Diaphragm assembly:

DA76HB/h-16 part No: R412800516

Frequency Responce

SPL 1W/1m OBERTON 15H4CX72



Drawings

