

TTS12-A

HIGH POWER SUBWOOFERS



The TTS12-A is an extremely compact high power subwoofer designed to complement the TT08-A Speaker System. Based around a band pass design using a newly designed 4" voice coil vented neodymium 12" woofer, it features lightweight, high force, neodymium magnet assembly, incredibly linear frequency response characteristics, the highest power handling of any comparable 12-inch transducer, the lower power compression.

A fully optimised T-pole design generate the minimum amount of flux modulation, the unique dual-forced air venting system guarantee a very efficient voice coil ventilation for minimum power compression and higher power handling.

The amplifier section features 1000 watt Class D power switching amplifier. The system can be wired with one subwoofer plus two satellite TT08-A in full stereo, or on a 'one to one' ratio from the inbuilt active crossover system.

The input section provides In/Out XLR connectors, Crossover Out XLR connector, system sensitivity control (linear potentiometer), 4 status LEDs, the AC panel features In/Out Powercon connectors, On/Off switch.

Power amplifiers are driven from a very accurate analog input board: perfect linearity and audio quality, soft peak limiter, rms limiter.

The cabinet is in marine baltic birch plywood, coated with high resistance epoxy paint.

Applications

- Small theatres and night clubs
- Portable and installed audio-visual systems
- Houses of worship
- Surround playback systems

Features

- Very compact size (HxWxD 480x390x530mm / 18,89" x 15,35" x 20,86")
- Maximum output per size available on market
- Minimum weight (Kg 28/ lbs 61.73)
- High power full neodymium 12" transducer
- 1000 Watt switching amplifier
- XLR in/out, Powercon in/out
- Baltic birch cabinet

ACOUSTICAL SPECIFICATIONS

Frequency response:	45 Hz- 120 Khz
Max SPL:	131 dB
Horizontal coverage angle:	-
Vertical coverage angle:	-
Compression driver:	-
Midrange:	-
Woofer:	12" neo, 100 mm voice coil

INPUT SECTION

Input signal (Impedance):	bal/unbal
Input/Output connector:	xlr
Input sensitivity:	- 2 dBu / + 4 dBu

PROCESSOR SECTION

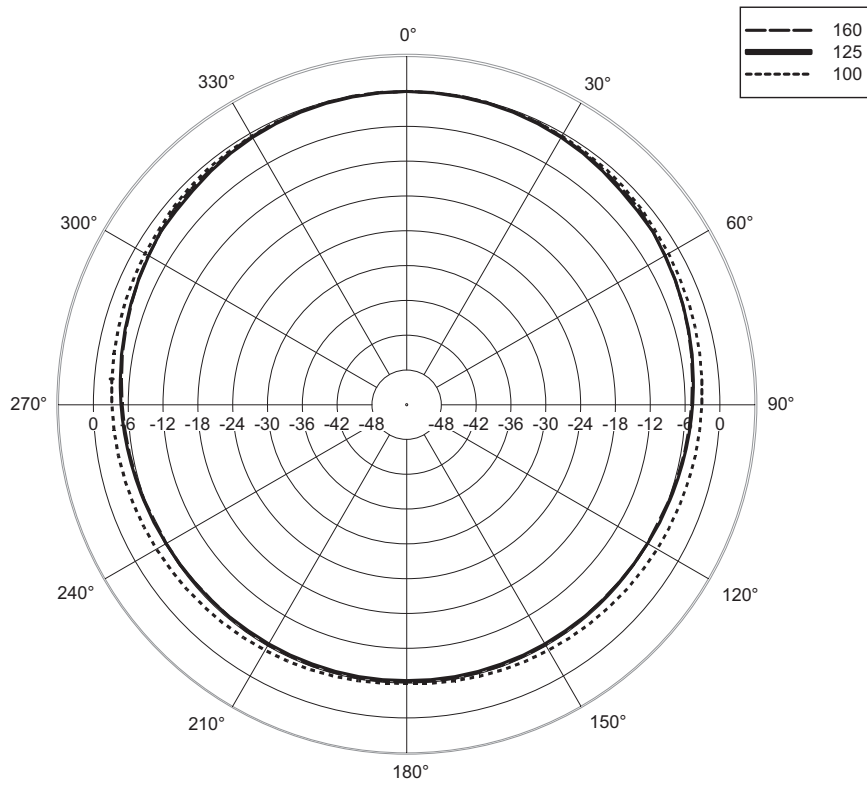
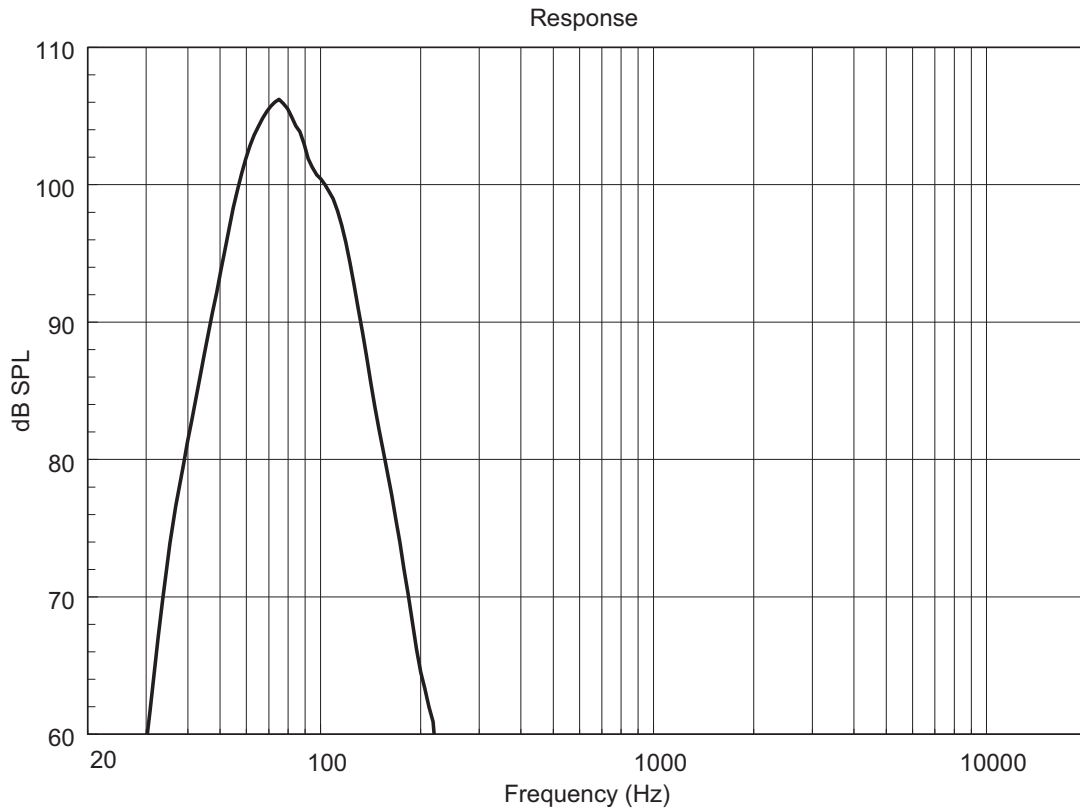
Crossover frequencies:	110 Hz
Protections:	thermal
Sensitivity control:	yes
Limiter:	rms, fast limiter
Phase switch	yes
High pass:	-
Controls:	phase

AMPLIFIER

Power supply:	switching 1000 Watt
High frequencies:	-
Mid frequencies:	-
Low frequencies:	D / 1000 Watt
Cooling:	convection
Connection:	powercon in/out

PHYSICAL

Height:	480 mm (18.89")
Width:	390 mm (15.35")
Depth:	530 mm (20.86")
Weight:	28 kg (61.73 lbs)
Cabinet:	baltic birch
Hardware:	array side fitting, pole mount
Handles:	2 on side
Pole mount cap	yes
Colour:	Black



CSI PRODUCT SPECIFICATIONS FOR DESIGNERS, SPECIFIERS, AND CONSULTANTS (ALSO KNOWN AS "A&E SPECIFICATIONS")

The following are "Part 2 Products" CSI-type specifications. It is assumed that "Part 1 General – Administrative and Procedures" and "Part 3 Execution – Installation and Maintenance" are part of an overall audio system or project specification.

PART 2 PRODUCTS

2.01 Approved Manufacturer/Product

- A. RCF, Via Raffaello 13, 42100 Mancasale, Reggio Emilia, Italy.
- B. Model number: TTS12-A

2.02 Design

Configuration	high power subwoofer
LF Sub-section	12" neodymium woofer, 100 mm voice coil
MR Sub-section	-
HF Sub-section	-

2.03 Acoustical Properties

Nominal dispersion angle:	-
Axial frequency range:	45Hz-120kHz

2.04 Physical Properties

Cabinet:	Baltic birch
Rigging inserts:	-
Color:	Black
Grille:	Custom perforated steel grille with open-cell poly fiber backing
Input Connectors:	xlr
Dimensions (H x W x D):	480 x 390 x 530 mm (18.89" x 15.35" x 20.86")
Weight:	28 kg (61.73 lbs.)

2.05 Accessories

AC PM M20	M20 pole mount for TT08-A, TT22-A or TT25
AC TT PMA	Pole mount cap for TTS12-A subwoofer.
AC M20 PLATE	Threaded plate for M20 pole mount (max 80 kg).

