

# TTS18-A

## HIGH POWER SUBWOOFER



The TS18a is a compact, high output, bandpass subwoofer module that sets a new standard in the touring and theater sound reinforcement.

The TS18a woofer features lightweight, high force, neodymium magnet assembly; 100 mm diameter, 25 mm length, inside-outside copper voice coil; silicon double spiders; water resistant treated cone; magnet assembly complex ventilation for minimum power compression.

The amplifier section features 1000 watt switching power supply, 1000 watt low frequency digital amplifier.

The input section provides In/Out XLR connectors, Crossover Out XLR connector, system sensitivity control (linear potentiometer), crossover set-up (80 Hz – 100 Hz – crossover add), very low frequencies high pass (45 Hz), 4 status LEDs, the AC panel features In/Out Powercon connectors, On/Off switch.

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

### Applications

- Touring sound reinforcement for small and mid-sized venues
- Portable and installed audio-visual systems
- Theatres and night clubs
- Stage monitor side fill reinforcement

### Features

- Very compact size (700 x 520 x 860 mm / 27,55" x 20,47" x 33,85")
- Maximum output per size available on market
- Minimum weight (48 Kg / 105,82 lbs)
- Wide, constant directivity, horizontal coverage angle
- High power full neodymium 18" transducer
- 1000 Watt switching amplifier
- XLR in/out, Powercon in/out
- Baltic birch cabinet

### ACOUSTICAL SPECIFICATIONS

|                            |                            |
|----------------------------|----------------------------|
| Frequency response:        | 35 Hz- 120 Khz             |
| Max SPL:                   | 136 dB                     |
| Horizontal coverage angle: | -                          |
| Vertical coverage angle:   | -                          |
| Compression driver:        | -                          |
| Midrange:                  | -                          |
| Woofer:                    | 18" neo, 100 mm voice coil |

### INPUT SECTION

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

### PROCESSOR SECTION

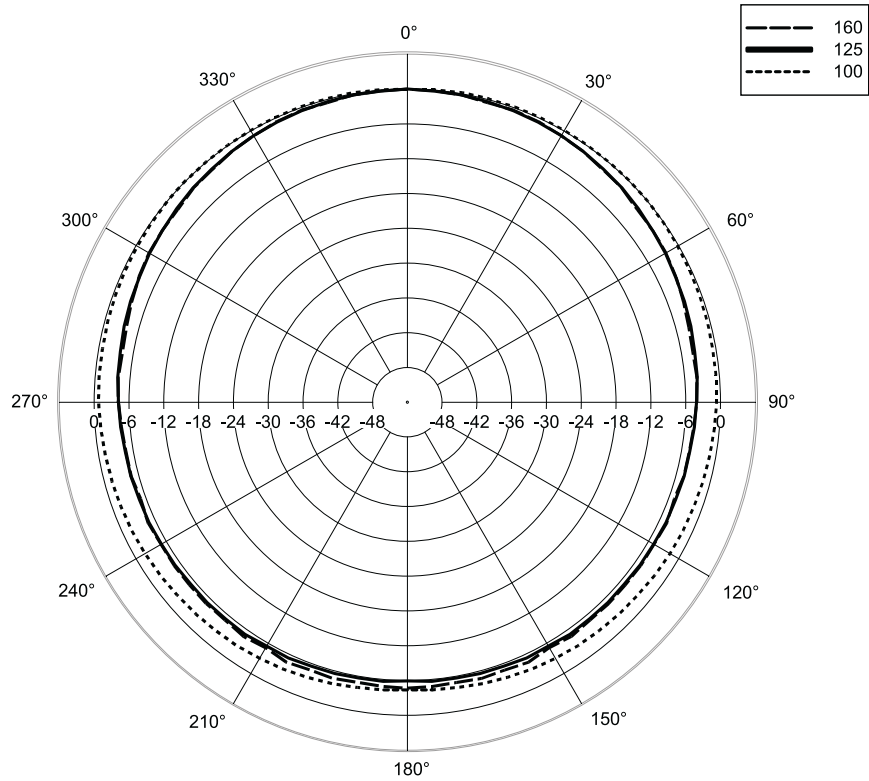
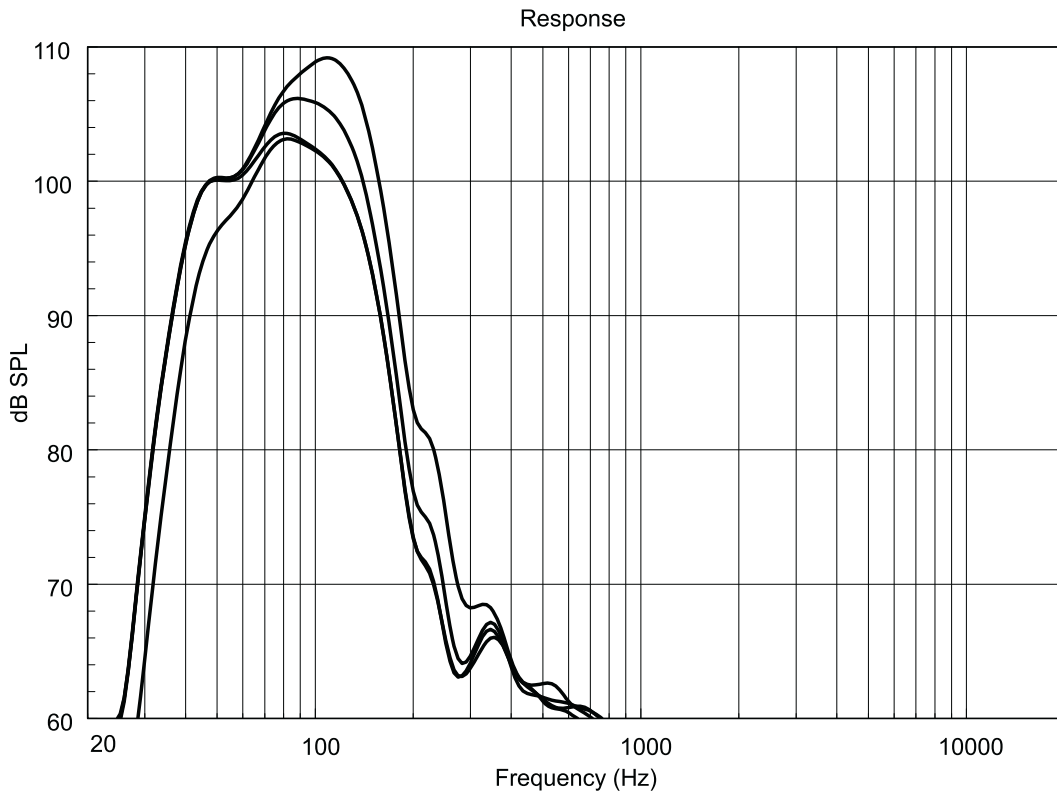
|                        |                      |
|------------------------|----------------------|
| Crossover frequencies: | 80 Hz / 110 Hz       |
| Protections:           | thermal, hf          |
| Sensitivity control:   | yes                  |
| Limiter:               | fast limiter         |
| Phase switch           | yes                  |
| High pass:             | -                    |
| Controls:              | 80/110/add crossover |

### AMPLIFIER

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

### PHYSICAL

|                |                    |
|----------------|--------------------|
| Height:        | 520 mm (20,47")    |
| Width:         | 700 mm (27,55")    |
| Depth:         | 860 mm (33,85")    |
| Weight:        | 48 kg (105,82 lbs) |
| Cabinet:       | baltic birch       |
| Hardware:      | fittings ready     |
| Handles:       | 6 on side          |
| Pole mount cap | ready              |
| 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: TTS18-A

2.02 Design

|                |   |
|----------------|---|
| Configuration  | high power subwoofer                    |
| LF Sub-section | 18" neodymium woofer, 100 mm voice coil |
| MR Sub-section | -                                       |
| HF Sub-section | -                                       |

2.03 Acoustical Properties

|                           |             |
|---------------------------|-------------|
| Nominal dispersion angle: | -           |
| Axial frequency range:    | 35Hz-120kHz |

2.04 Physical Properties

|                         |  |
|-------------------------|--|
| Cabinet:                | Baltic birch   |
| Rigging inserts:        | fittings ready   |
| Color:                  | Black  |
| Grille:                 | Custom perforated steel grille with open-cell poly fiber backing |
| Input Connectors:       | xlr  |
| Dimensions (H x W x D): | 520 x 700 x 860 mm (20.47" x 27.55" x 33.85")                    |
| Weight:                 | 48 kg (105.82 lbs.)  |

2.05 Accessories

|                   |  |
|-------------------|--|
| AC PM M20         | M20 pole mount for TT22-A or TT25-A speakers   |
| AC TT PMA         | Pole mount cap for TTS18-A or TTS28-A subwoofer.   |
| AC PM M20         | M20 pole mount for TT22-A or TT25-A speakers (max 80 kg).                                    |
| COVER TTS18       | Protection cover for TTS18.  |
| STCK BAR TTL33    | Accessory to add to fly bar for stacking option on sub TTL33-A. Quick lock pins to be added. |
| AC QL-PIN TTL33-A | Kit 4 quick lock pins for TTL33-A array system.  |

