TT1-A

ACTIVE HIGH OUTPUT TWO-WAY SPEAKER

MAIN APPLICATIONS

- Portable and installed audio-visual systems
- Retail spaces, presentation suites, shopping malls
- Theatrical sound reinforcement
- Auditoriums, lecture halls, and theme parks
- Fill/delay applications
- Conference centers, ballrooms and houses of worship
- Effects systems; under-balcony coverage and distributed systems

MAIN FEATURES

- 800 Watt, 2 way amplification
- 10" neo woofer, 3.0" v.c.
- 1.4" neo c. driver, 3.0" v.c.
- 90° x 60° precision waveguide
- 96 Khz, 32 bit DSP processing
- Maximum output, perfect audio fidelity
- Tour grade cabinet and mechanics
- RDNet Ready

DESCRIPTION

The TT1-A is the perfect small and powerful speaker for almost any sound reinforcement situation Ideal for live sound situations, incredible for playback and monitoring.
The TT1-A produces the high impact, high definition sound projection expected in professional PA applications. Its wide angle projection, 90°x60° with the use of a precision waveguide, makes audience coverage easy in a variety of situations.
The TT1-A, unique in its category, features a neodymium 3,0" voice coil compression driver on a large, constant directivity, precision horn and a 10" neodymium woofer, 3,0" voice coil. The integration of the 800 Watt, two channels, digital amplification and the advanced digital processing set a new standard for distortion, noise and thermal efficiency.
TT1-A is equipped with a state of the art input board which features XLR In/Out, Gain reduction, Time Delay, Speaker presets, RDNet ready option, RDNet bypass switch, 4 status LEDs, Powercon In/Out
TT1-A features a 96 Khz, 32 bit DSP processing and a dedicated networking board. Using our proprietary RDNet protocol is possible to monitor all the system parameters, form the input to the status of each single amplifier. Having a Dsp on board of each cabinet, it is possible to address to single cabinets or groups of cabinets specific presets or modifications of parameters like gain, equalisation or delay. The RDNet protocol is based on RS-485 communication protocol, it is very stable and it is possible to send and receive data on a simple XLR cable.
All new TT+ Two-Way Systems feature a newly designed multifunctional rear encoder to easily control all the speaker functions (Gain reduction, Delay, Speaker presets), even without network connection.
Foam-backed grilles hide the drivers from view for pleasing aesthetics.
The speaker is equipped with a complete set of integrated rigging mechanics for rental or installation. Dedicated accessories to create clusters are available.

ACOUSTICAL SPECIFICATIONS

Frequency response:	55 Hz- 20 Khz
Max SPL:	131 dB
Horizontal coverage angle:	90°
Vertical coverage angle:	60°
Compression driver:	2" neo, 3.0" v.c.
Woofer:	10" neo, 3.0 v.c.

INPUT/OUTPUT SECTION

Input connectors:	xlr, RDNet
Output connectors:	xlr, RDNet
Input sensitivity:	+4 dBu

PROCESSOR SECTION

Crossover frequencies:	900 Hz
Protections:	Thermal, rms
Limiter:	soft limiter, dynamic
Controls:	Gain reduction, RDNet local setup/bypass, Time Delay, Presets (Linear, Close, Far listening, High-pass), RDNet Ready

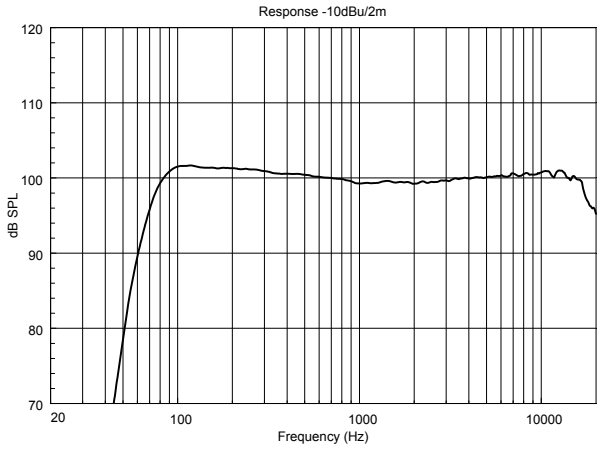
AMPLIFIER

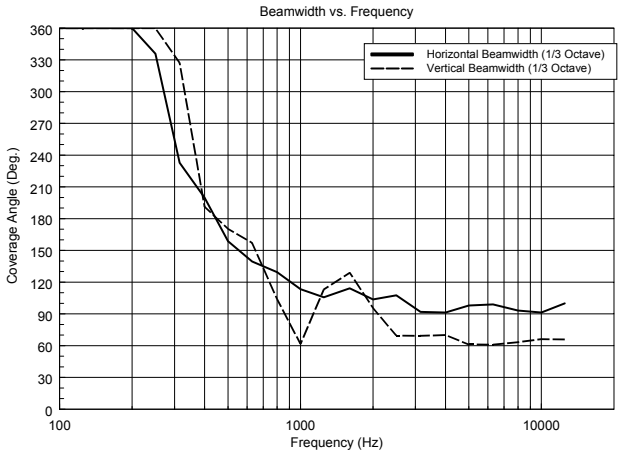
Total Power:	800 Watt
High frequencies:	250 Watt
Low frequencies:	550 Watt
Cooling:	convection
Connection:	powercon in-out

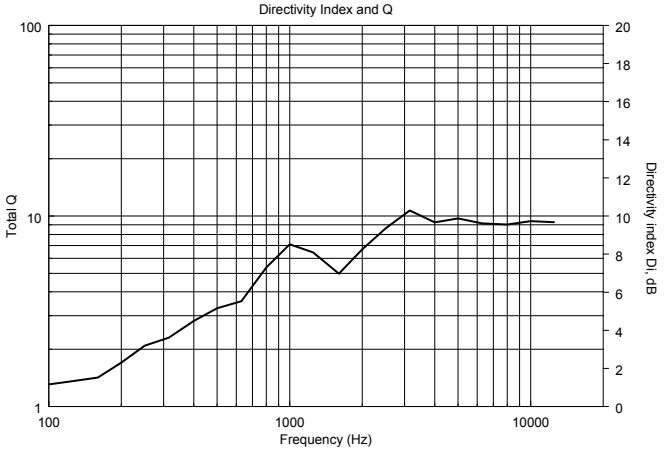
PHYSICAL

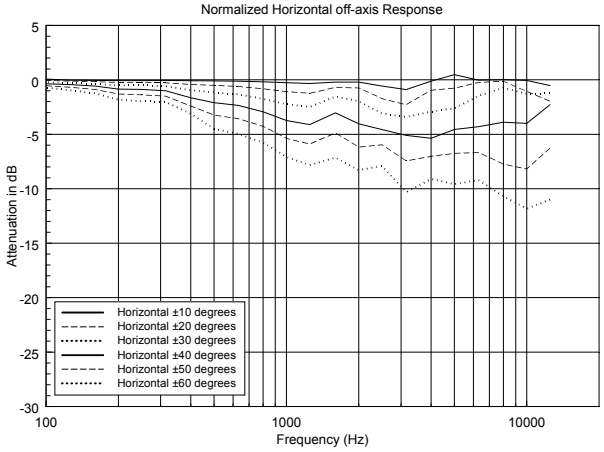
Height:	566 mm (22.28")
Width:	333 mm (13.11")
Depth:	370 mm (14.56")
Net Weight:	25.4 kg (559.97 lbs)
Cabinet:	baltic birch plywood
Hardware:	Installation/Rental fittings
Handles:	2 side
Pole mount cap	yes
Colour:	Black

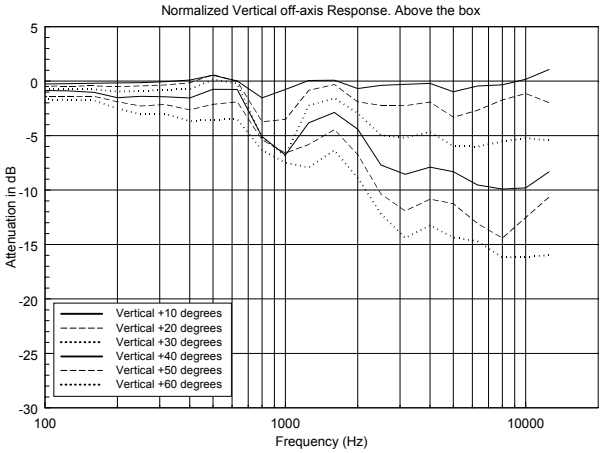
TT1-A

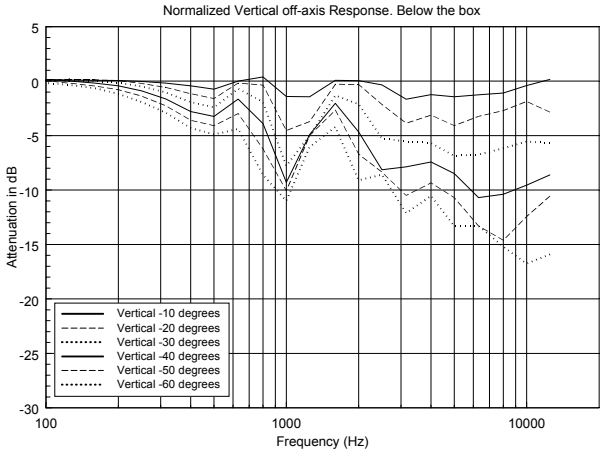

Response -10dBu/2m
dB SPL
Frequency (Hz)
120
110
100
90
80
70
20
100
1000
10000


Beamwidth vs. Frequency
Horizontal Beamwidth (1/3 Octave)
Vertical Beamwidth (1/3 Octave)
Coverage Angle (Deg.)
Frequency (Hz)
360
330
300
270
240
210
180
150
120
90
60
30
0
100
1000
10000


Directivity Index and Q
Total Q
Directivity index DI, dB
Frequency (Hz)
100
10
1
20
18
16
14
12
10
8
6
4
2
0
100
1000
10000

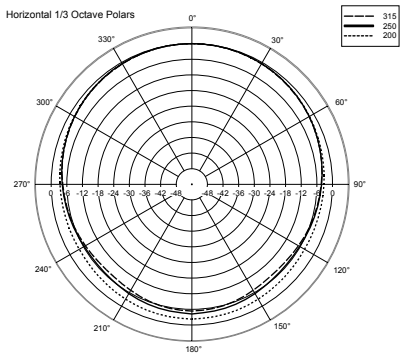

Normalized Horizontal off-axis Response
Attenuation in dB
Frequency (Hz)
Horizontal ±10 degrees
Horizontal ±20 degrees
Horizontal ±30 degrees
Horizontal ±40 degrees
Horizontal ±50 degrees
Horizontal ±60 degrees
5
0
-5
-10
-15
-20
-25
-30
100
1000
10000

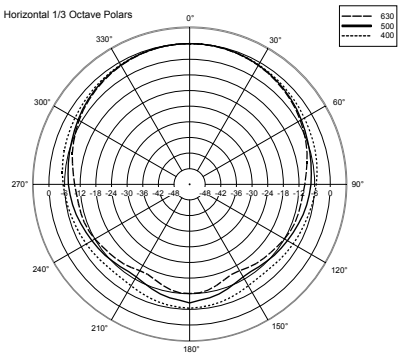

Normalized Vertical off-axis Response. Above the box
Attenuation in dB
Frequency (Hz)
Vertical +10 degrees
Vertical +20 degrees
Vertical +30 degrees
Vertical +40 degrees
Vertical +50 degrees
Vertical +60 degrees
5
0
-5
-10
-15
-20
-25
-30
100
1000
10000

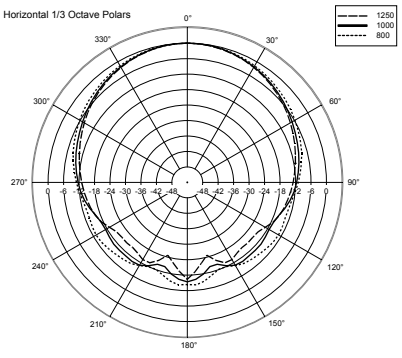

Normalized Vertical off-axis Response. Below the box
Attenuation in dB
Frequency (Hz)
Vertical -10 degrees
Vertical -20 degrees
Vertical -30 degrees
Vertical -40 degrees
Vertical -50 degrees
Vertical -60 degrees
5
0
-5
-10
-15
-20
-25
-30
100
1000
10000

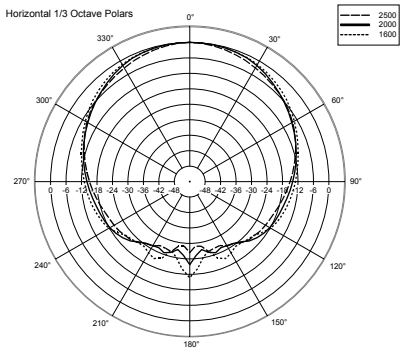
TT1-A

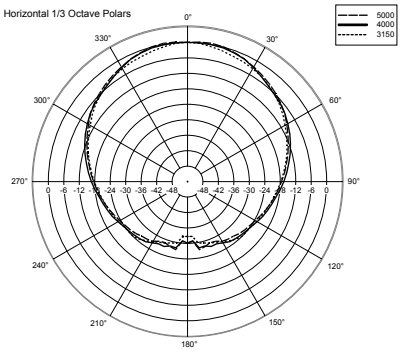
HORIZONTAL 1/3 POLAR PLOT

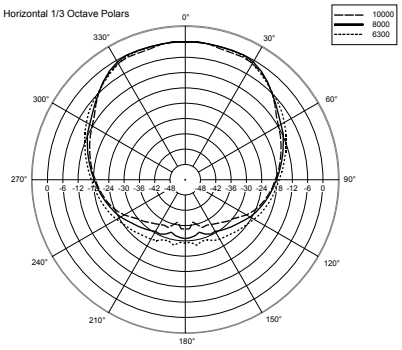




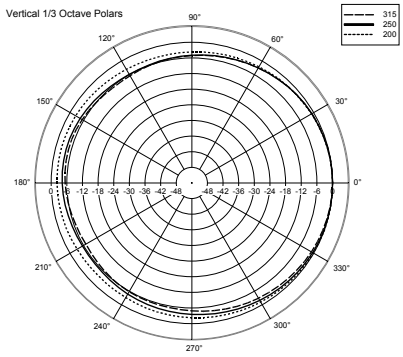


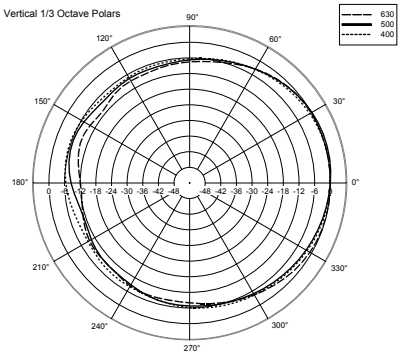


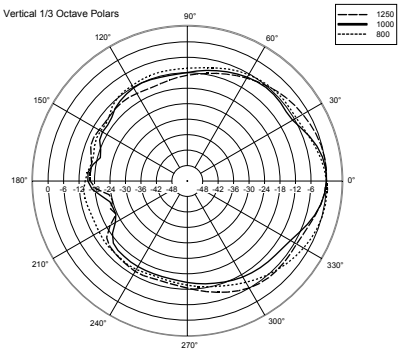


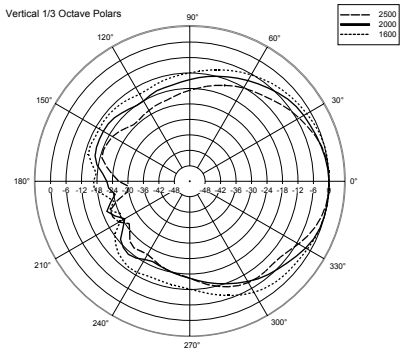


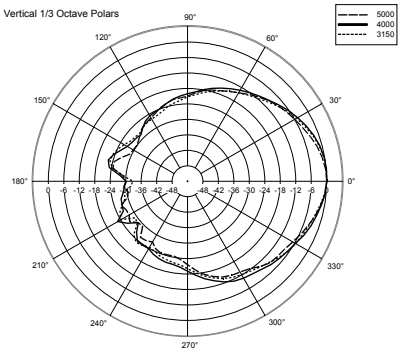
VERTICAL 1/3 POLAR PLOT

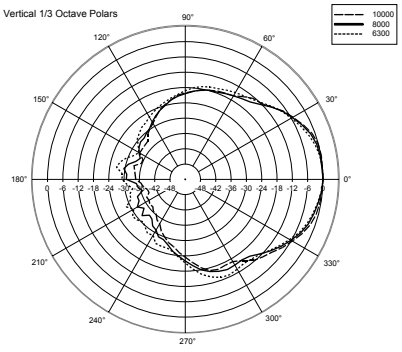












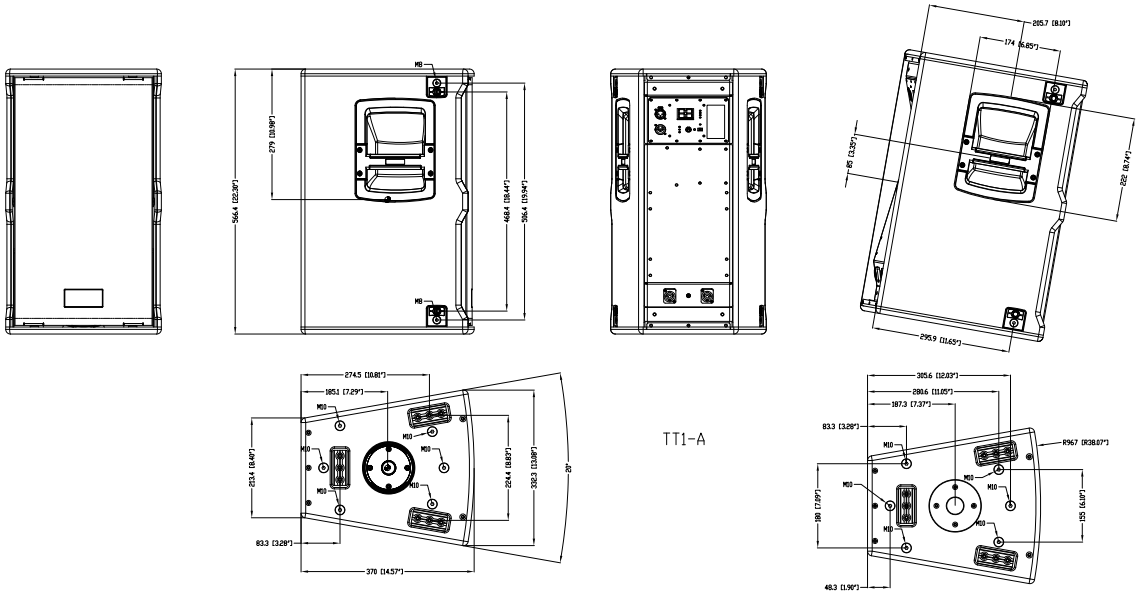
TT1-A

PART NUMBER

13000377 - 230 VOLT

13000381 - 115 VOLT

DIMENSIONS (All data are in mm)



TT1-A

ACCESSORIES

AC TT1 H-BR	TT1-A horizontal U braket with M10-PIN-pole mount
AC TT1 V-BR	TT1-A vertical U braket with PIN
AC COVER TT1-A	Rain cover for TT1-A
AC TT1 PLATE	2 X TT1-A installation plate
AC TT1 END PLATE	2 X TT1-A installation end-plate
AC TT1 TOP V-BR	
AC RAIN COVER TT1-A	TT1-A amplifier rain cover

RCF products are continually improved. All specifications are therefore subject to change without notice.