

# ARTSERIES



SPEAKER SYSTEMS  
FOR INSTALLATION



ARTSERIES

the rules of sound



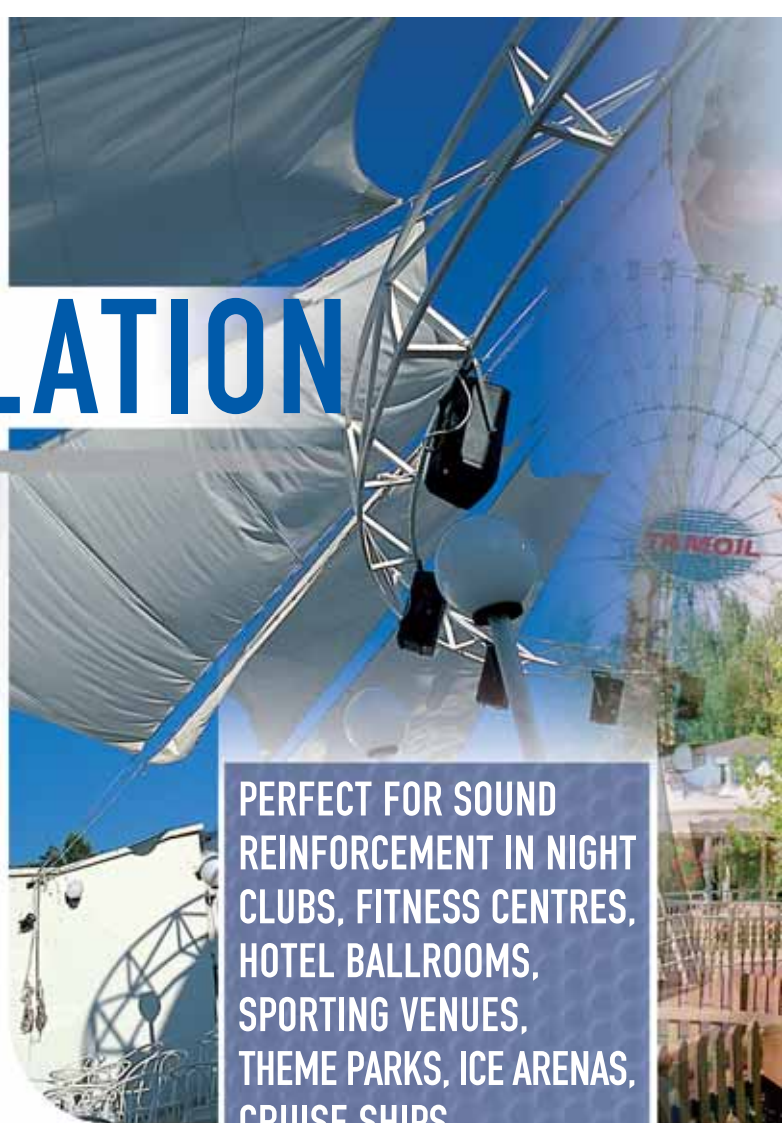


# ART SERIES FOR INSTALLATION

During the last ten years RCF transitioned into the forefront of active loudspeaker technology, from the introduction of the original ART series to many prominent active products conceived and designed in our laboratories. We have over the years grown to understand the best ways to use the extra degree of freedom that an active system offers and in interpreting how this technology affects the transducer design. Our research and engineering faculty can today offer innovative projects with finite control of each detail, from the loudspeaker voice coil wire to the highly efficient extended dynamic amplifier topology. There are many different ingredients that go into creating quality products and systems. These include computer aided simulation software to assist the understanding of transducer behaviour and amplifier operation and the relationship of dynamics and transient response. RCF utilise over thirty state of the art software packages to identify magnetic circuits, voice coil dynamics, suspension linearity, horn dispersion simulation, crossover filters, amplifier thermal behaviour etc.

However it is the vast technical and practical experience that our Research and Engineering team possess that ensures the quality of our products plus placing RCF as the market leaders in True Active Loudspeaker Technology and transducer development.

**PERFECT FOR SOUND  
REINFORCEMENT IN NIGHT  
CLUBS, FITNESS CENTRES,  
HOTEL BALLROOMS,  
SPORTING VENUES,  
THEME PARKS, ICE ARENAS,  
CRUISE SHIPS,  
PERFORMANCE STAGES,  
PLACES OF WORSHIP  
AND AUDITORIUMS.**







## FEATURES:

- 12 and 15-inch LF transducers
- Polynomial horn-loaded compression drivers
- Rugged, resonance-free molded enclosure
- Wide horizontal and vertical dispersion
- Built-in hand grip, M10 fly points and stand socket
- Many optional installation
- Optional installation accessories

## ACTIVE MODELS INCLUDE:

- Separate LF and HF internal power amplifiers
- Driver-optimized electronic crossover
- Switchable balanced mic/line input
- Total system protection: over-excursion, thermal, short circuit and peak limiting

## ACTIVE SPEAKER SYSTEMS

ART Series Model	ART312Ai	ART322Ai	ART325Ai	ART705AS
Amplifier Power:	LF 300W - HF 50W	LF 350W - HF 70W	LF 350W - HF 70W	800W
Frequency Response:	50 Hz - 20 kHz	45 Hz - 20 kHz	45 Hz - 20 kHz	40 Hz - Xover point
Maximum sound pressure:	127dB @ 1m	128dB @ 1m	129dB1W @ 1m	130db @ 1m
Crossover frequency:	1800 Hz	1200 Hz	1200 Hz	40 Hz - Xover point
Angle of coverage:	90°X60° (horn directivity)	90°X60° (horn directivity)	90°X60° (horn directivity)	-
HF Transducer Size:	1"	2"	2"	-
LF Transducer Size	12"	12"	15"	15"
Colour	anthracite grey	anthracite grey	anthracite grey	anthracite grey
Dimensions (H x W x D mm):	680 x 405 x 345	680 x 405 x 345	680 x 405 x 345	890 x 435 x 600
Dimensions (H x W x D inches):	26.77 x 15.94 x 13.58	26.77 x 15.94 x 13.58	26.77 x 15.94 x 13.58	23.22 x 17.12 x 23.62
Net weight (kg/lbs.)	19/41.8	23/50.6	24/52.8	37/81.4

ART 312-Ai

ART 322-Ai

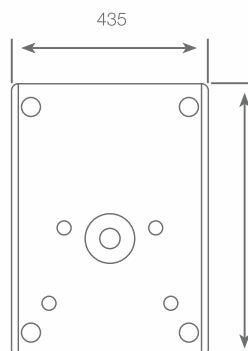
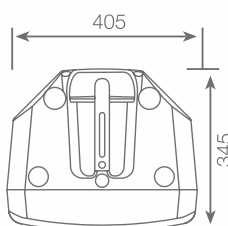
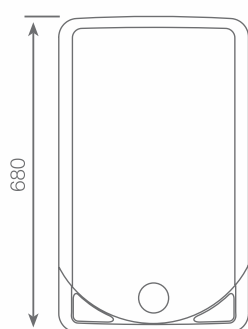
ART 325-Ai

ART 315-i

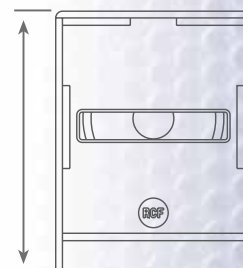
ART 322-i

ART 325-i

ART 312-i



ART 705-AS



## PASSIVE SPEAKER SYSTEMS

ART Series Model	ART312i	ART315i	ART322i	ART325i
Power handling:	300W	300W	400W	400W
Frequency Response:	50 Hz - 20 kHz	50 Hz - 20 kHz	45 Hz - 20 kHz	45 Hz - 20 kHz
Maximum sound pressure:	126dB @ 1m	126dB @ 1m	128dB1W @ 1m	128dB1W @ 1m
Crossover frequency:	1800 Hz	1800 Hz	1200 Hz	1200 Hz
Angle of coverage:	90°X60° (horn directivity)	90°X60° (horn directivity)	90°X60° (horn directivity)	90°X60° (horn directivity)
HF Transducer Size:	1"	1"	2"	2"
LF Transducer Size	12"	15"	12"	15"
Colour	anthracite grey	anthracite grey	anthracite grey	anthracite grey
Dimensions (H x W x D mm):	680 x 405 x 345	680 x 405 x 345	680 x 405 x 345	740 x 454 x 375
Dimensions (H x W x D inches):	26.77 x 15.94 x 13.58	26.77 x 15.94 x 13.58	26.77 x 15.94 x 13.58	26.77 x 17.87 x 14.76
Net weight (kg/lbs.)	16/35.2	17/37.4	20/44	21/46.2



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cod. 10409055

RCF SpA Italy:  
tel. +39 0522 274 411 - fax +39 0522 232 428  
www.rcfaudio.com - e-mail: info@rcf.it

RCF UK Sales Office:  
tel. +44 7005 402181  
e-mail: info@rcfaudio.co.uk

RCF France Sales Office:  
tel. +33 6 07501800  
e-mail: rcfrance@aol.com

RCF Germany Sales Office:  
tel. +49 2203 925370  
e-mail: germany@rcf.it

RCF USA Sales Office:  
tel. +1 (714) 281-8270  
e-mail: rcf-usa@adelphia.net