



VMAX

sound culture



ENG 2014

The V-MAX Series represents a no compromise compact design and construction



RCF Professional Speaker Systems forms a prominent chapter in the long history of RCF which began in 1949.

Whether a speaker system is designed for permanent installation or for portable PA situations, RCF has a solution offering a high level of audio fidelity and intelligibility and superior sound definition.

This requirement has fostered the need for audio professionals to be able to offer a range of speaker systems combined with dedicated processing and amplification technologies that are superior in acoustic performance and control.

RCF is one of the only few worldwide loudspeaker manufacturers that makes itself all the transducers, speaker systems, amplification and control electronics used in their systems.

THE VMAX SERIES



The V-MAX speaker series included in this catalogue features some of RCF's exclusive designs and technologies such as RCF Precision Hyper-vented Woofers and high power, low distortion neo compression drivers, "CMD" Coverage Matching Design horns providing consistent horizontal and vertical pattern control through the usable frequency range, RCF exclusive "LICC" Crossover Systems, matching amplification and control systems to fully optimise the high performance and long term reliability RCF is renowned for.



The V-MAX Series represents a no-compromise compact design and construction, offering a very natural sound in recorded music and live situations.

All V-MAX Series cabinets are built in birch, heavy duty coated with weather resistant polyurea paint. Free from spurious vibrations, they offer a reinforced construction at the highest level in the professional market.



UNMATCHED SOUND

Using the largest size compression drivers, the most powerful woofers and very low crossover frequencies our two-way systems offer unmatched sound quality.

Whether the event is a live performance or a DJ set, whether the speaker system is a rented solution or a dedicated permanent installation, V-MAX will excel for superior vocal intelligibility, sound dynamics and musical clarity.

POWER, POWER, POWER

The extensive use of large sized voice coils, the careful attention to high performance materials and adhesives and our bullet proof crossover filters make our products among the most powerful and reliable in the market.

Technology and craftsmanship: every professional compression driver and woofer is precision built in our factory in Italy using the most advanced moulding and assembly technologies and our experienced dedication and attention.

We constantly test our product designs and production batches with standardised power testing, generating musical and noise signals running up to 200 continuous hours.

From large venue systems to compact indoor sound reinforcement all the V-MAX products offer:

- compact dimensions to the acoustic output;
- minimum mechanical weight ratio;
- high power RCF precision transducers;
- high technology, high power passive crossover network technology;
- baltic birch plywood cabinets



V6-L

100 x 15 WIDE DISPERSION CONSTANT DIRECTIVITY ANGLE LINE ARRAY MODULE

The V6-L is a mini-size, no compromise, line array module. High power transducers and an ultra compact cabinet design make the V6-L the perfect tool in a variety of applications. It is particularly ideal in live sound reinforcement and installed situations.

The V6-L is the perfect choice when line array performance is needed and a fast and easy set up is a must. The system features state of the art RCF transducers, two powerful 6" with 1.8" voice coil for fast and solid bass reproduction and a large format 3.0" voice coil compression driver to deliver vocal clarity and high definition with an incredible dynamic.

The custom designed waveguide allows a precise coverage of 100 x 15 degrees, whilst also delivering a superb, linear high frequency response.

- High power, two-way bass reflex full range system
- 2 x 6" high power, 1.8" voice coil woofers
- 1 x 3" high power titanium neo compression driver
- 130 dB max SPL, 500 Watt AES
- Very high output, response down to 40 Hz
- Birch plywood cabinet
- Weather resistant, textured, polyurea finish
- Epoxy powder coated front grille

p.n. 130.00.436



WOOFER

The V6 mid bass transducer is designed to provide an excellent frequency response linearity with very low distortion. A very strong neodymium magnetic structure guarantees dynamic and precision, a new and unique 1.8" voice coil design provides the 200 Watt AES power handling.

WOOFER

- 1,8" Inside-Outside voice coil
- Water resistant fibre doped cone
- Polycotton M-roll surround
- High power magnetic structure



FRONT GRILLE

The V6-L heavy duty front grille is black epoxy coated. The black polyester foam backing protects the speaker from dust and moisture.





SPECIFICATIONS

ACOUSTICAL SPECIFICATIONS

FREQUENCY RESPONSE (-10 dB)	60 Hz - 20 kHz
HORIZ. COVERAGE ANGLE (-6 dB)	90°
VERTICAL COVERAGE ANGLE (-6 dB)	15°
DIRECTIVITY FACTOR; Q	10
SYSTEM SENSITIVITY	95 dB , 1W @ 1m (1)
MAX SPL	130 dB, @ 1m
NOMINAL IMPEDANCE	8 Ohm
POWER HANDLING	500 W ⁽²⁾
PEAK POWER HANDLING	2000 W ⁽²⁾
RECOMMENDED AMPLIFIER	1000 W ⁽²⁾
PROTECTIONS	Dynamic
CROSSOVER FREQUENCIES	800 Hz

TRANSDUCERS

WOOFER	2 x 6" woofer 1.8" voice coil
IMPEDANCE	16 Ohm
INPUT POWER RATING	200 W AES ; 400 W Peak
SENSITIVITY	93 dB, 1W @ 1m
COMPRESSION DRIVER	1.4" driver 3.0" voice coil
IMPEDANCE	8 Ohm
INPUT POWER RATING	120 W AES ; 240 W Peak
SENSITIVITY	112 dB, 1W @ 1m

PHYSICAL

CABINET	15 mm Birch Plywood
HARDWARE	Rigging flyware
COLOR	Black
GRILLE	Custom perforated steel grille
INPUT CONNECTORS	2 x SPEAKON NL4
DIMENSIONS (H x W x D)	8.13" x 18.50" x 14.22" 206.5 x 470 x 361.3 mm
WEIGHT:	4.77 lbs - 10.5 Kg



HIGH FREQUENCIES

The ND840 large format compression driver delivers one of the key advantages of the V6-L, the 3" voice coil allows a crossover point of 800Hz and therefore almost all of the vocal range can be produced by this driver. This allows better coverage and dispersion control, and superior efficiency.

Thanks to the large format compression driver on a wave-guide, the V6-L offers superior intelligibility over distance.

V6

HIGH POWER, TWO-WAY BASS REFLEX FULL RANGE SYSTEM

The V6 is a very compact, full range, extremely versatile two-way loudspeaker system. It offers substantial output and efficiency for a variety of professional applications that include portable systems, small sound reinforcement, permanent installations and supplementary fill for larger systems. The high-frequency section is a constant directivity CMD horn mathematically designed for Constant Matching Design in relation to the woofer system, loaded on a neodymium compression driver with a 1.7" diaphragm assembly for smooth, controlled dispersion. The low-frequency transducer is a tight, high power 6" mid-bass with a 1.8" voice coil.

- 6" high power, 1.8" voice coil mid bass
- 1 x 1.7" high power titanium neo compression driver
- 124 dB max SPL
- 250 Watt AES
- High output, response down to 60 Hz
- Birch plywood cabinet
- Weather resistant, textured, polyurea finish
- Epoxy powder coated front grille

p.n. 130.00.437



WOOFER

The V6 woofer is a new design featuring 1.8" aluminum voice coil, high excursion, handling 200 watt AES power. The cone is weather protected for long lasting installations.

COMPRESSION DRIVER

The V6 features a high performance 1.0 inch diaphragm compression driver with a 1.75 inch exit throat. The diaphragm is precision formed from polyester. The voice coil assembly is designed using high temperature Kapton former, rectangular profile copper clad aluminium wire and assembled using advanced, specially formulated adhesives.

The V6 is the smallest member of the V MAX family and is a really flexible and powerful tool in its class. An extremely careful acoustic design, the highest quality transducers, the powerful amplifier makes this system the perfect solution from the small sound reinforcement to playback and monitoring, from corporate events to DJs and club distributed systems.



The cabinet is built in baltic birch plywood, coated with high resistance polyurea paint and features a steel pole mount cap and rear mounting M10 points. The side is designed with an angle for near field monitoring or under-balcony applications.



SPECIFICATIONS

ACOUSTICAL SPECIFICATIONS

FREQUENCY RESPONSE (-10 dB)	60 Hz - 20 kHz
HORIZ. COVERAGE ANGLE (-6 dB)	90°
VERTICAL COVERAGE ANGLE (-6 dB)	60°
DIRECTIVITY FACTOR; Q	10
SYSTEM SENSITIVITY	94 dB , 1W @ 1m (1)
MAX SPL	124 dB, @ 1m
NOMINAL IMPEDANCE	8 Ohm
POWER HANDLING	250 W ⁽²⁾
PEAK POWER HANDLING	1000 W ⁽²⁾
RECOMMENDED AMPLIFIER	500 W ⁽²⁾
PROTECTIONS	Dynamic
CROSSOVER FREQUENCIES	1.2 kHz

TRANSDUCERS

WOOFER	6" woofer 1.8" voice coil
IMPEDANCE	8 Ohm
INPUT POWER RATING	200 W AES ; 400 W Peak
SENSITIVITY	94 dB, 1W @ 1m
COMPRESSION DRIVER	1.0" driver 1.7" voice coil
IMPEDANCE	8 Ohm
INPUT POWER RATING	50 W AES ; 100 W Peak
SENSITIVITY	108 dB, 1W @ 1m

PHYSICAL

CABINET	15 mm Birch Plywood
HARDWARE	Pole mount, 10 x M10
COLOR	Black
GRILLE	Custom perforated steel grille
INPUT CONNECTORS	2 x SPEAKON NL4
DIMENSIONS (H x W x D)	15.75" x 9.06" x 10.46" 400 x 230 x 256.6 mm
WEIGHT:	19.84 lbs - 9 Kg



LOGO

The V6 logo can rotate for horizontal or vertical installation.



V10

HIGH POWER, TWO-WAY BASS REFLEX FULL RANGE SYSTEM

The V10 is a compact, full range, extremely versatile two-way loudspeaker system. It offers substantial power and efficiency for a variety of professional applications that include portable systems, sound reinforcement, permanent installations and supplementary fill for larger systems. The high-frequency section is a constant directivity CMD horn mathematically designed for Constant Matching Design in relation to the woofer system, loaded on a neodymium compression driver with a 1.7" diaphragm assembly for smooth, controlled dispersion. The low-frequency transducer is a tight, high power 10" mid-bass with a 2.5" voice coil.

- 10" high power, 2.5" voice coil mid bass
- 1 x 1.7" high power titanium neo compression driver
- 131 dB max SPL
- 400 Watt AES
- High output, response down to 60 Hz
- Birch plywood cabinet
- Weather resistant, textured, polyurea finish
- Epoxy powder coated front grille

p.n. 130.00.438



WOOFER

The V10 mid bass transducer is designed to provide an excellent frequency response linearity with very low distortion. A very strong magnetic structure guarantees dynamic and precision, a new and unique 2.5" voice coil design provides a very high power handling.

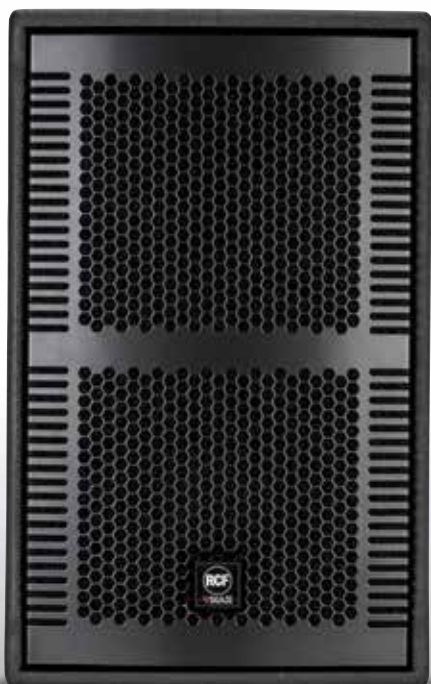


CONNECTIONS

Connections are made through two Neutrik Speakon NL4 connectors (audio input and parallel link output).

COMPRESSION DRIVER

The V10 features a high performance 1.75-inch diaphragm compression driver with a 1.0 inch exit throat. The diaphragm is precision formed from polyester. The voice coil assembly is designed using high temperature Kapton former, rectangular profile copper clad aluminium wire and assembled using advanced, specially formulated adhesives.



Stage monitor configuration





SPECIFICATIONS

ACOUSTICAL SPECIFICATIONS

FREQUENCY RESPONSE (-10 dB)	60 Hz - 20 kHz
HORIZ. COVERAGE ANGLE (-6 dB)	90°
VERTICAL COVERAGE ANGLE (-6 dB)	60°
DIRECTIVITY FACTOR; Q	10
SYSTEM SENSITIVITY	98 dB, 1W @ 1m (1)
MAX SPL	131 dB, @ 1m
NOMINAL IMPEDANCE	8 Ohm
POWER HANDLING	400 W ⁽²⁾
PEAK POWER HANDLING	1600 W ⁽²⁾
RECOMMENDED AMPLIFIER	800 W ⁽²⁾
PROTECTIONS	Dynamic
CROSSOVER FREQUENCIES	1.1 kHz

TRANSDUCERS

WOOFER	10" woofer 2.5" voice coil
IMPEDANCE	8 Ohm
INPUT POWER RATING	300 W AES ; 600 W Peak
SENSITIVITY	98 dB, 1W @ 1m
COMPRESSION DRIVER	1.0" driver 1.7" voice coil
IMPEDANCE	8 Ohm
INPUT POWER RATING	50 W AES ; 100 W Peak
SENSITIVITY	108 dB, 1W @ 1m

PHYSICAL

CABINET	15 mm Birch Plywood
HARDWARE	Pole mount
COLOR	Black
GRILLE	Custom perforated steel grille
INPUT CONNECTORS	2 x SPEAKON NL4
DIMENSIONS (H x W x D)	21.26" x 13.39" x 13.11" 540 x 340 x 333 mm
WEIGHT:	33.06 lbs - 15 Kg

HEAVY DUTY POLYUREA PAINT

The paint department inside our factory in Italy utilizes a special polyurea paint to create a very thick full coating of the cabinet making it highly resistant to scratches and bumps.



V35

HIGH POWER, TWO-WAY BASS REFLEX FULL RANGE SYSTEM

The V 35 is a full range, extremely versatile controlled dispersion two-way loudspeaker system. This offers substantial power and efficiency for a variety of professional applications that include portable systems, primary sound reinforcement, plus permanent installations and supplementary fill for larger systems. The high-frequency section is a constant directivity CMD horn mathematically designed for Constant Matching Design compared to the woofer system, loaded on a neodymium compression driver with a 3.0" titanium diaphragm assembly for smooth, controlled dispersion. The low-frequency transducer is a high power 15" woofer with a 4.0 " voice coil.

- 15" high power, 4" voice coil hyperventated woofers
- 1 x 3" high power titanium neo compression driver
- 132 dB max SPL, 900 Watt AES
- Very high output, response down to 40 Hz
- Birch plywood cabinet
- Weather resistant, textured, polyurea finish
- Epoxy powder coated front grille

p.n. 130.00.412



WOOFER

The low-frequency transducer is a high power 15" woofer with a 4.0 " voice coil built in our factory in Italy using the most advanced assembly technologies.

COMPRESSION DRIVER
The CMD horn is loaded to a Neodymium compression driver with a 3.0" titanium diaphragm assembly for smooth, controlled dispersion.



The loudspeaker enclosure shape is multi-angle and offers a floor monitoring position. The cabinet is constructed in multi-ply birch plywood and finished in a very resistant, textured, polyurea black paint.

The cabinet includes a recessed handle for transportation and positioning and a total of six double M10 fixing point for flown applications with internal metal bracing.

The cabinet features two Neutrik Speakon™ connectors in a recessed input plate. A 2-position high power selector set the system in passive or bi-amped mode.



The epoxy coated front steel grille features side mounted rubber dampeners and foam backing.





SPECIFICATIONS

ACOUSTICAL SPECIFICATIONS

FREQUENCY RESPONSE (-10 dB)	40 Hz - 20 kHz
HORIZ. COVERAGE ANGLE (-6 dB)	90°
VERTICAL COVERAGE ANGLE (-6 dB)	40°
DIRECTIVITY FACTOR; Q	10
SYSTEM SENSITIVITY	97 dB, 1W @ 1m (1)
MAX SPL	132 dB, @ 1m
NOMINAL IMPEDANCE	8 Ohm
POWER HANDLING	900 W ⁽²⁾
PEAK POWER HANDLING	3600 W ⁽²⁾
RECOMMENDED AMPLIFIER	1800 W ⁽²⁾
PROTECTIONS	Dynamic
CROSSOVER FREQUENCIES	1.4 kHz

TRANSDUCERS

WOOFER	15" woofer 4" voice coil
IMPEDANCE	8 Ohm
INPUT POWER RATING	900 W AES ; 1800 W Peak
SENSITIVITY	97 dB, 1W @ 1m
COMPRESSION DRIVER	1.4" driver 3" voice coil
IMPEDANCE	8 Ohm
INPUT POWER RATING	110 W AES ; 220 W Peak
SENSITIVITY	109 dB, 1W @ 1m

PHYSICAL

CABINET	15 mm Birch Plywood
HARDWARE	Pole mount, 10 x M10
COLOR	Black
GRILLE	Custom perforated steel grille
INPUT CONNECTORS	2 x SPEAKON NL4
DIMENSIONS (H x W x D)	29.07" x 17.32" x 13.78" 738.5 x 440 x 350 mm
WEIGHT:	68.2 lbs - 32 Kg



The system includes a high-level crossover network that features markedly lower (than conventional) induction values in series with the woofer. The benefits are reduction in delay, reduced phase shift and superior transient response. The high power internal passive filter provides crossover protection and equalisation. The system is able of producing a Max SPL of 137 dB and handles 900 Watts AES (LF) + 110 Watt AES (HF).



V45

HIGH POWER, TWO-WAY BASS REFLEX FULL RANGE SYSTEM

The V45 is a two-way full range loudspeaker system that incorporates 2 x 15" LF transducers and a 4" voice coil, titanium, compression driver. The system is very compact and provides very high output and accurate voice and sound reproduction.

The system is equipped with the latest generation RCF precision transducers.

The LF drivers are equipped with a 4" voice coil and a state of the art ferrite motor, mounted in a vented enclosure with optimised front loading.

The 4.0" HF titanium compression driver is a state of the art in compression drivers designs and is loaded on a constant directivity horn with a perfect coverage of 90° x 40°.

- 2 x 15" high power, 4" voice coil hypervented woofers
- 1 x 4" high power titanium neo compression driver
- 137 dB max SPL, 1800 Watt AES
- Very high output, response down to 30 Hz.
- Birch plywood cabinet.
- Whether resistant, textured, polyurea finish.
- Epoxy powder coated front grille

p.n. 130.00.413



COMPRESSION DRIVER

The 4.0" HF titanium compression driver is loaded on a constant directivity horn with a perfect coverage of 90° x 40°.

The high power internal passive filter provides crossover protection and equalisation.

The system is capable of producing a Max SPL of 137 dB and handles 1800 Watts AES (LF) + 140 Watt AES (HF).



2 X 15" LF TRANSDUCERS

The system is equipped with the latest generation RCF precision transducers.

The LF drivers are equipped with a 4" voice coil and a state of the art ferrite motor, mounted in a vented enclosure with optimised front loading.

The loudspeaker enclosure shape is trapezoidal and offers a coupling angle each side. The cabinet is constructed in multi-ply birch plywood and finished in a highly resistant, textured, polyurea black paint.

The cabinet includes two recessed handles for transportation and positioning and a total of six double M10 fixing point for flown applications with internal metal bracing.

The epoxy coated front steel grille features side mounted rubber dampeners and foam backing.



The cabinet features two Neutrik Speakon™ connectors in a recessed input plate. A 2-position high power selector sets the system in passive or bi-amped mode.



SPECIFICATIONS

ACOUSTICAL SPECIFICATIONS

FREQUENCY RESPONSE (-10 dB)	30 Hz - 20 kHz
HORIZ. COVERAGE ANGLE (-6 dB)	90°
VERTICAL COVERAGE ANGLE (-6 dB)	40°
DIRECTIVITY FACTOR; Q	10
SYSTEM SENSITIVITY	99 dB, 1W @ 1m (1)
MAX SPL	137 dB, @ 1m
NOMINAL IMPEDANCE	4 Ohm
POWER HANDLING	1800 W ⁽²⁾
PEAK POWER HANDLING	7200 W ⁽²⁾
RECOMMENDED AMPLIFIER	3600 W ⁽²⁾
PROTECTIONS	Bulb Lamp
CROSSOVER FREQUENCIES	1.2 kHz

TRANSDUCERS

WOOFER	2 x 15" woofer 4" voice coil
IMPEDANCE	8 Ohm
INPUT POWER RATING	900 W AES ; 1800 W Peak
SENSITIVITY	97 dB, 1W @ 1m
COMPRESSION DRIVER	1.4" driver 4" voice coil
IMPEDANCE	8 Ohm
INPUT POWER RATING	140 W AES ; 280 W Peak
SENSITIVITY	110 dB, 1W @ 1m

PHYSICAL

CABINET	15" Birch Plywood
HARDWARE	12 x M10
COLOR	Black
GRILLE	Custom perforated steel grille
INPUT CONNECTORS	2 x SPEAKON NL4
DIMENSIONS (H x W x D)	43.64" x 21.82" x 22.81" 1108.5 x 554.3 x 579.3 mm
WEIGHT:	171.6 lbs - 78 Kg

V218-S

HIGH POWER, BASS REFLEX SUBWOOFER SYSTEM

The V218-S is a compact, high-output bass reflex subwoofer. The system is equipped with two advanced neodymium 18" RCF precision woofers mounted in a front-loaded configuration.

This new high power design marks the latest refinements in RCF experiences in compact subwoofer design, resulting in a fast and controlled reproduction of the bass frequency range. The two transducers couple to achieve tight and maximised output, while the subwoofer design ensures an efficient acoustic response down to 30 Hz.

- 2 x 18" high power, 4" voice coil hypervented woofers
- 141 dB max SPL, 3000 Watt AES
- Very high output, response down to 30 Hz.
- Birch plywood cabinet.
- Weather resistant, textured, polyurea finish.
- Epoxy powder coated front grille

p.n. 130.00.414



The low-frequency transducer is a hypervented vented, high excursion RCF Precision 18" woofer with a 4" inside/outside voice coil to minimize power compression and extend the life of the product.

The system is capable of producing a Max SPL of 141 dB and handles 3000 Watts AES.

The loudspeaker enclosure shape is rectangular and the cabinet is constructed in multi-ply birch plywood and finished in a weather-resistant, textured, polyurea black paint.

It features four side handles and rubber feet.

The epoxy coated front steel grille features side mounted rubber dampeners and foam backing.





SPECIFICATIONS

ACOUSTICAL SPECIFICATIONS

FREQ. RANGE (-10 dB):	30 Hz - 250 kHz
SYSTEM SENSITIVITY:	99 dB, 1W @ 1m ⁽¹⁾
RATED MAXIMUM SPL:	141 dB, @ 1m
SYSTEM NOMINAL IMPEDANCE:	8 Ohm
SYSTEM INPUT POWER RATING RMS:	3000 W ⁽²⁾
SYSTEM INPUT POWER RATING PEAK:	12000 W
RECOMMENDED AMPLIFIER:	6000 W ⁽³⁾

TRANSDUCERS

LOW FREQUENCY:	2 x 18" woofer 4" voice coil
NOMINAL IMPEDANCE:	8 Ohm
INPUT POWER RATING:	1500 W AES each

PHYSICAL

ENCLOSURE:	Rectangular, 15 mm birch plywood
RIGGING INSERTS:	Pole mount
COLOR:	Black, scratch resistant paint
GRILLE:	Custom perforated steel grille
INPUT CONNECTORS:	2 x SPEAKON NL4
DIMENSIONS (H x W x D):	22.406" x 47.24" x 29.33" 569 x 1200 x 745 mm
WEIGHT:	172 lbs - 78 Kg



The cabinet features two Neutrik Speakon™ connectors in a recessed input plate.

A 2-position high power selector set the transducers in parallel or independent input mode.



V221-S

HIGH POWER, BASS REFLEX SUBWOOFER SYSTEM

The V221-S is a very high-output bass reflex subwoofer.

The system is equipped with two advanced 21" RCF precision woofers mounted in a front-loaded configuration.

This new high power design marks the latest refinements in RCF experience in compact subwoofer design, resulting in a fast and controlled reproduction of the bass frequency range. The two transducers couple to achieve tight and maximised output, while the subwoofer design ensures an efficient acoustic response down to 25 Hz.

- 2 x 21" high power, 4.5" voice coil hyperventated woofers
- 143 dB max SPL
- 4000 Watt AES
- Very high output, response down to 30 Hz
- Birch plywood cabinet
- Weather resistant, textured, polyurea finish
- Epoxy powder coated front grille

p.n. 130.00.415



Equipped in V221-S, the LF21X451 low frequency transducer is the result of many years of developments with the goal of creating new levels of professional audio performance standards. Incredibly linear frequency response characteristics, the highest power handling of any comparable transducer and the lowest power compression.



The LF21X451 features a fibre loaded cone assembly along with a high excursion triple roll, constant geometry surround: this combination provides remarkable strength and a peak to peak maximum excursion of 54 mm.

The new dual forced hyper-venting system guarantees a very efficient voice coil ventilation for minimum power compression and the 2000 Watt AES incredible power handling.



The loudspeaker enclosure shape is rectangular and the cabinet is constructed in multi-ply birch plywood and finished in a weather-resistant, textured, polyurea black paint.

It features four side handles and rubber feet.

The epoxy coated front steel grille features side mounted rubber dampeners and foam backing.





SPECIFICATIONS

ACOUSTICAL SPECIFICATIONS

FREQ. RANGE (-10 dB):	25 Hz - 200 Hz
SYSTEM SENSITIVITY:	100 dB, 1W @ 1m ⁽¹⁾
RATED MAXIMUM SPL:	143 dB, @ 1m
SYSTEM NOMINAL IMPEDANCE:	8 Ohm
SYSTEM INPUT POWER RATING RMS:	4000 W ⁽²⁾
SYSTEM INPUT POWER RATING PEAK:	16000 W
RECOMMENDED AMPLIFIER:	8000 W ⁽³⁾

TRANSDUCERS

LOW FREQUENCY:	2 x 21" woofer 4.5" voice coil
NOMINAL IMPEDANCE:	8 Ohm
INPUT POWER RATING:	2000 W AES each

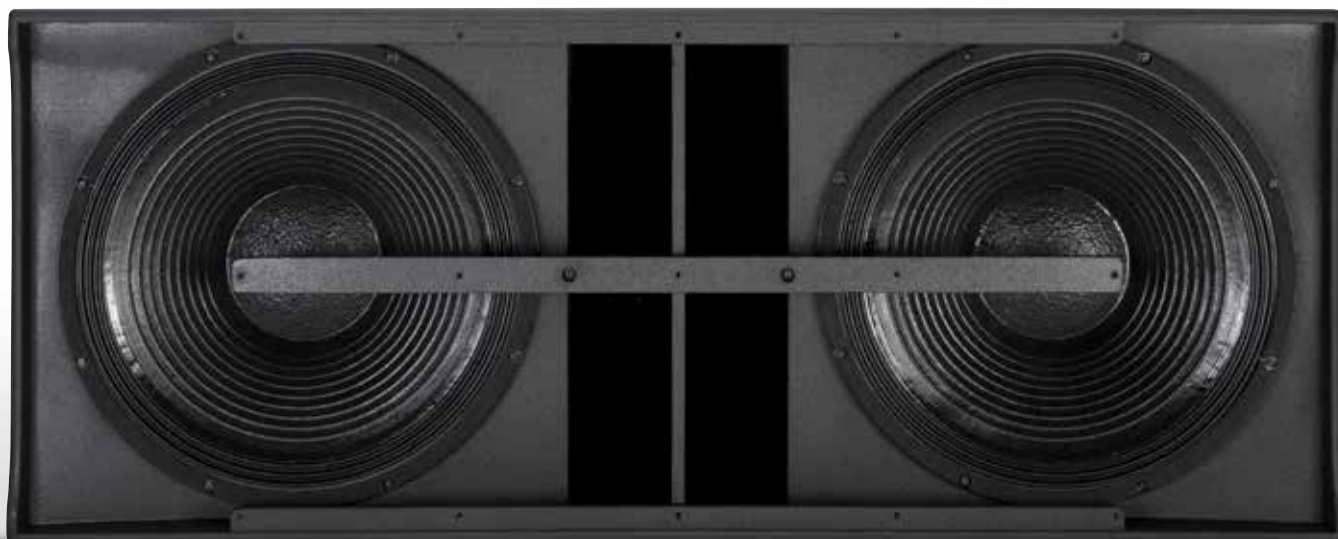
PHYSICAL

ENCLOSURE:	Rectangular, 15 mm birch plywood
RIGGING INSERTS:	Pole mount
COLOR:	Black, scratch resistant paint
GRILLE:	Custom perforated steel grille
INPUT CONNECTORS:	2 x SPEAKON NL4
DIMENSIONS (H x W x D):	22.406" x 47.24" x 29.33" 569 x 1200 x 745 mm
WEIGHT:	238.09 lbs - 108 Kg



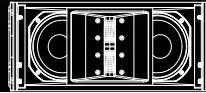
The cabinet features two Neutrik Speakon™ connectors in a recessed input plate.

A 2-position high power selector set the transducers in parallel or independent input mode.



SPECIFICATIONS

V6-L



V6



V10



ACOUSTICAL SPECIFICATIONS

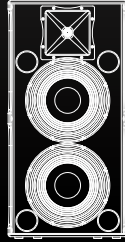
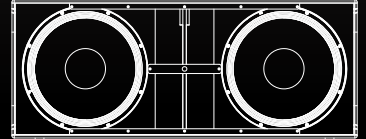
FREQUENCY RESPONSE (-10 dB)	60 Hz - 20 kHz	60 Hz - 20 kHz	60 Hz - 20 kHz
HORIZ. COVERAGE ANGLE (-6 dB)	100°	90°	90°
VERTICAL COVERAGE ANGLE (-6 dB)	15°	60°	60°
DIRECTIVITY FACTOR; Q	10	10	10
SYSTEM SENSITIVITY	95 dB , 1W @ 1m	94 dB , 1W @ 1m	98 dB , 1W @ 1m
MAX SPL	130 dB, @ 1m	124 dB, @ 1m	131 dB, @ 1m
NOMINAL IMPEDANCE	8 Ohm	8 Ohm	8 Ohm
POWER HANDLING	500 W	250 W	400 W
PEAK POWER HANDLING	2000 W	1000 W	1600 W
RECOMMENDED AMPLIFIER	1000 W	500 W	800 W
PROTECTIONS	Dynamic	Dynamic	Dynamic
CROSSOVER FREQUENCIES	0.8 kHz	1.2 kHz	1.1 kHz

TRANSDUCERS

WOOFER	2 x 6" woofer 1.8" voice coil	6" woofer 1.8" voice coil	10" woofer 2.5" voice coil
IMPEDANCE	8 Ohm	8 Ohm	8 Ohm
INPUT POWER RATING	500 W AES ; 1000 W Peak	200 W AES ; 400 W Peak	900 W AES ; 1800 W Peak
SENSITIVITY	112 dB, 1W @ 1m	94 dB, 1W @ 1m	97 dB, 1W @ 1m
COMPRESSION DRIVER	1.4" driver 3.0" voice coil	1.0" driver 1.7" voice coil	1.0" driver 1.7" voice coil
IMPEDANCE	8 Ohm	8 Ohm	8 Ohm
INPUT POWER RATING	120 W AES ; 240 W Peak	50 W AES ; 100 W Peak	50 W AES ; 100 W Peak
SENSITIVITY	112 dB, 1W @ 1m	108 dB, 1W @ 1m	98 dB, 1W @ 1m

PHYSICAL

CABINET	15 mm Birch Plywood	15 mm Birch Plywood	15mm Birch Plywood
HARDWARE	Rigging flyware	Pole mount	Pole mount
COLOR	Black, scratch resistant paint	Black, scratch resistant paint	Black, scratch resistant paint
GRILLE	Custom perforated steel grille	Custom perforated steel grille	Custom perforated steel grille
INPUT CONNECTORS	2 x SPEAKON NL4	2 x SPEAKON NL4	2 x SPEAKON NL4
DIMENSIONS (H x W x D)	8.13" x 18.50" x 14.22" 206.5 x 470 x 361.3 mm	15.75" x 9.06" x 10.46" 400 x 230 x 265.6 mm	21.26" x 13.39" x 13.11" 540 x 340 x 333 mm
WEIGHT:	4.77 lbs - 10.5 Kg	19.84 lbs - 9 Kg	33.06 lbs - 15 Kg

V35**V45****V218-S****V218-S**

40 Hz - 20 kHz	30 Hz - 20 kHz	30 Hz - 250 Hz	25 Hz - 200 Hz
90°	90°	-	-
40°	40°	-	-
10	10	-	-
97 dB , 1W @ 1m	99 dB , 1W @ 1m	99 dB , 1W @ 1m ⁽¹⁾	100 dB , 1W @ 1m ⁽¹⁾
132 dB, @ 1m	137 dB, @ 1m	141 dB, @ 1m	143 dB, @ 1m
8 Ohm	4 Ohm	8 Ohm	8 Ohm
900 W	1800 W	3000 W ⁽²⁾	4000 W ⁽²⁾
3600 W	7200 W	12000 W	16000 W
1800 W	3600 W	6000 W	8000 W
Dynamic	Bulb Lamp	-	-
1.4 kHz	1.2 kHz	-	-
15" woofer 4" voice coil	2 x 15" woofer 4" voice coil	2 x 18" woofer 4" voice coil	2 x 21" woofer 4.5" voice coil
8 Ohm	8 Ohm	8 Ohm	8 Ohm
900 W AES ; 1800 W Peak	900 W AES ; 1800 W Peak	-	-
97 dB, 1W @ 1m	97 dB, 1W @ 1m	-	-
1.4" driver 3" voice coil	1.4" driver 4" voice coil	-	-
8 Ohm	8 Ohm	-	-
110 W AES ; 220 W Peak	140 W AES ; 280 W Peak	1500 W AES each	2000 W AES each
109 dB, 1W @ 1m	110 dB, 1W @ 1m	1500 W AES each	2000 W AES each
15 mm Birch Plywood	15mm Birch Plywood	Rectangular, 15mm birch plywood	Rectangular, 15mm birch plywood
Pole mount, 10 x M10	12 x M10	Pole mount	Pole mount
Black, scratch resistant paint	Black, scratch resistant paint	Black, scratch resistant paint	Black, scratch resistant paint
Custom perforated steel grille	Custom perforated steel grille	Custom perforated steel grille	Custom perforated steel grille
2 x SPEAKON NL4	2 x SPEAKON NL4	2 x SPEAKON NL4	2 x SPEAKON NL4
29.07" x 17.32" x 13.78"	43.64" x 21.82" x 22.81"	22.406" x 47.24" x 29.33"	22.406" x 47.24" x 29.33"
738.5 x 440 x 350 mm	1108.5 x 554.3 x 579.3 mm	569 x 1200 x 745 mm	569 x 1200 x 745 mm
68.2 lbs - 32 Kg	171.6 lbs - 78 Kg	172 lbs - 78 Kg	238.09 lbs - 108 Kg



sound culture

HEADQUARTERS:

RCF S.p.A. Italy
tel. +39 0522 274 411
e-mail: info@rcf.it

RCF UK
tel. 0844 745 1234
Int. +44 870 626 3142
e-mail: info@rcfaudio.co.uk

RCF France
tel. +33 1 49 01 02 31
e-mail: france@rcf.it

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

RCF Spain
tel. +34 91 817 42 66
e-mail: info@rcfaudio.es

RCF Benelux
tel. +49 (0) 2203 9253724
e-mail: benelux@rcf.it

RCF USA Inc.
tel. +1 732-9026100
e-mail: info@rcf-usa.com

www.rcf.it