# Clarion: a global brand that puts your future first

Clarion was founded in 1940, and ever since developing Japan's first car radio in 1951, continues to actively develop new products, based on new technologies. Born in Japan, and widely adopted by automobile manufacturers all over the world, Clarion is an unstoppable source of innovation, inspired by the current and future needs of drivers like you. Clarion specialises in in-vehicle equipment and systems, so our attention is tightly focused on your car and lifestyle. That is why we are able to offer maximum value for your investment. From the latest innovations to the unchanging pursuit of sound excellence, you can count on Clarion to deliver satisfaction to your drive.

#### Notes

• "Made for iPod" and "Made for iPhone" mean that an electronic accessory has been designed to connect specifically to iPod or iPhone, respectively, and has been certified by the developer to meet Apple performance standards. Use of the Apple CarPlay logo means that a vehicle user interface meets Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod or iPhone may affect wireless performance. iPhone, iPod and Siri are trademarks of Apple Inc., registered in the U.S. and other countries. Apple CarPlay is a trademark of Apple Inc.

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# Clarion Co., Ltd.

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• Specification and design are subject to change without notice.

- Photos are non-binding. The manufacturer and importer do not take responsibility for any printing errors.
- All units in this catalog are primarily intended for installation in passenger vehicles. Use in commercial trucks, tractors, off-road vehicles, construction machinery, boats (except Marine models), and other special-purpose vehicles or on motorcycles is not recommended.
- It may not be possible to resume iPod Video playback. Whenever ACC is turned OFF/ON, playback will commence from the beginning of the file.
- There's no guarantee that all units in this catalogue play CCCD (Copy Control CD), Hybrid SACD (Super Audio CD), CD-R/RW and DVD±R/RW.
- Please see the Clarion website for iPod models that can be connected.

 Clarion's navigation systems should not be used as a substitute for your own judgement. Any route suggestions made by a Clarion navigation system should never override any local traffic regulations, your own judgement, and/or knowledge of safe driving practices. Disregard route suggestions by the navigation system if such suggestions would: cause you to perform a hazardous or illegal maneuver, place you in a hazardous situation, or route you into an area you consider unsafe.

• The advice provided by the navigation system is to be regarded only as a suggestion(s). There may be situations where the navigation system displays the vehicle's location incorrectly, fails to suggest the shortest course, and/or fails to direct you to your desired destination. In such situations, rely on your own driving judgement, taking into account current driving conditions.

• Do not use the navigation system to route you to emergency services. The database does not contain a complete listing of locations of emergency service providers such as police, fire stations, hospitals and clinics. Please use your judgement and your ability to ask for directions in these situations.

The driver should be aware and abide by the laws of the country when operating any multimedia/navigational equipment.
Smartphone compatibility may vary by model and operating system.

• LCD panels use the latest high-tech components and boast an effective pixel rate of 99.99%. However, be aware that 0.01% or less of the pixels may be defective.

#### WARNING: Driver is prohibited by law from viewing a video signal on any in-dash monitor while the vehicle is in motion.



# Clarion

Catalogue for Car Audio, Multimedia, Navigation and Full Digital Sound









# **MULTIMEDIA**

# VX807AU

2-DIN navigation ready DVD multimedia station with 7-inch touch panel control





information about VX807AU

## VX807AU features

 CD / MP3 / WMA / AAC / FLAC / DVD / MPEG4 / H.264 playback • 18FM, 6AM station presets • Apple CarPlay™ • Built-in Bluetooth® Interface (HFP, A2DP, PBAP, AVRCP) • Dual USB ports • 2-zone entertainment: front and rear separate source control • iPod<sup>®</sup> Audio playback • iPhone<sup>®</sup> / Android<sup>™</sup> Phone via HDMI<sup>™</sup> • Rear vision camera composite video input • Navigation ready (built-in gyro sensor and speed sensor) • 4 x 50 W power amplifier • 2V / 6-channel audio pre-out • 15-Band graphic equaliser Variable colour key illumination



on the road too





Made for **□**iPod **□**iPhone















# Apple CarPlay compatible for an advanced driving experience

Enjoy safer operation of your iPhone features in your car - make calls, listen to music, or even send and receive messages, get directions, and more while you stay focused on the road.



# Speech activation of a variety of iPhone functions

Just say the word to use hands-free calling and to send messages. Since it works with Siri, you can also search for nearby filling stations and restaurants just by saying what you want, without taking hands off the wheel or eves off the road.



## System upgrading with optical digital output

Connect to Full Digital Sound system or DSP via the optical digital output. The FDS lineup includes Z3 Full Digital Sound Processor / Commander / Full Digital Tweeter, Z7 Full Digital Speaker and Z25W Full Digital Subwoofer



# High-precision personal sound with 15 band graphic equaliser

A built-in 15 band graphic equaliser gives you the ability to sculpt sound to your taste or to match your vehicle. Gain level can be pre-adjusted for each source so you won't have to adjust the volume when you switch sources.

# **Full Digital Sound**



# Clarion leads the world

# in Full Digital Sound



positioned on the black body nampagne

A hold design

components

with solid metal

information about Full Digital Sound

For more



gold trims further accentuates the design

Analogue

# From source to speakers, digital-to-digital changes audio

Full digital signal transfer from a digital source enables direct input of high-resolution audio sources to the speakers without loss. High guality full digital sound is reproduced, with purity that's true to the original. High efficiency conversion from digital signals into sound makes the system capable of delivering 4 times the high power output of conventional full digital systems'1, while achieving low power consumption that's only about 1/5th that of analogue systems\*2.

\*1 Compared to other Clarion reference. (Convention full digital systems were sold Japan market only) \*2 Compared to the driving circuit of a typical factory original audio system.



Diote Trigence Semiconductor's Dnote technology is used for digital signal processing. Dnote is a registered trademark of Trigence Semiconductor, Inc.

## Digital sound processor delivers versatility

Digital sound processor accommodates factory original centre unit as well as those from other manufacturers, and external digital audio equipment. The ability to connect analogue speakers also contributes to the system's versatility.

# Optical digital output for assured Clarion connectivity

If the centre unit is a Clarion car navigation system (Digital output compatible), it's easy to create a full total digital system and enjoy leading-edge digital sound.

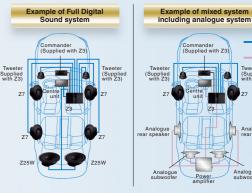


# World's first\*3 dedicated LSI for automotive grade Clarion originally developed

Clarion developed the first dedicated LSI for automotive grade that efficiently converts digital signals into sound, helping to achieve higher quality playback of full digital sound, while ensuring efficient energy consumption. \*3 As of September 2015 (Clarion research)

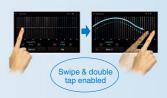


connectable models.



# Intuitive tuning using your smartphone or tablet

By installing an application on your smartphone or tablet, you can enjoy high-precision sound tuning like Crossover, Time Alignment and Equaliser and more with an intuitive touch operation. Fine tuning of each parameter can be done with a few simple steps.



# NAVIGATION

# NX316A

2-DIN navigation ready **DVD** multimedia station with digital time alignment



information about

NX316A



### NX316A / NX316AW features

• 6.2-inch TFT LCD display • 800 x 480 pixel resolution • CD / DVD / iPod® / USB / AUX / Bluetooth® / MP3 / WMA / MPEG-AAC playback • Xvid AVI & MP4 video (720 x 480 / 576 resolution playback) • JPEG image format • MTP playback support for supported Android<sup>™</sup> devices • Voice Control with Voice Dial • Video output for external monitor connection • 7-Band graphic equaliser • Digital Time Alignment Control • Subwoofer Control • Programmable steering wheel control • Built-in Bluetooth (HFP / A2DP / AVRCP / PBAP) and microphone • Front USB port and rear AUX input (NX316A only) • Rear USB port and AUX input (NX316AW only) • iPod / iPhone® audio playback • 50W x 4 channel Class AB amplifier • 2V / 4 channel audio pre-out Reverse camera input







Navigation ready with turn-by-turn voice prompts

Feature rich automotive grade navigation engine with easy POI or address search. Turn-by-turn voice prompts gets you to your destination safely without taking your eyes off the road.



# Media playback over USB for Android and iOS devices

Videos, music and photos are played easily across a USB connection with support for Media Transfer Protocol (MTP) for Android Devices. Enjoy simple iPod controls for iOS connected devices directly from the source unit.



Superior audio performance with fine audio controls

Achieve a clearer sonic image with Digital Time Alignment that adjusts each speaker's audio timing in 0.05ms increments. 9 EQ presets and subwoofer control provide customisable sonic experiences for each musical genre and audio expandability.

# NX316AW

Also available in 200 mm wide front panel





adapter.

# MULTIMEDIA

# Clarion





information

about VX316A

VX316A

2-DIN DVD multimedia

station with HDMI<sup>™</sup> input

VX316A features

 6.2-inch TFT LCD display
 800 x 480 pixel resolution
 CD / DVD / iPod / USB / AUX / Bluetooth / MP3 / WMA / MPEG-AAC playback • Xvid AVI & MP4 video (720 x 480 / 576 resolution playback) • JPEG image format • HDMI input with support for MHL MTP playback support for supported Android devices 
 Voice Control with Voice Dial
 DVB-T2 supported option with touch screen controls • Video output for external monitor connection • 7-Band graphic equaliser • Digital Time Alignment Control • Subwoofer Control • Programmable steering wheel control • Built-in Bluetooth (HFP / A2DP / AVRCP / PBAP) and microphone • Front USB and AUX input • iPod / iPhone audio playback • 50W x 4 channel Class AB amplifier • 2V / 4 channel audio pre-out • Reverse camera input

Made for Android Connectivity

**□**iPod **□**iPhone



# 



HDMI input for smartphone connectivity

Simple and convenient smartphone mirroring over MHL supported devices. Mirror your supported Android devices with a USB connection to the source unit's HDMI input, or any iOS device with the appropriate



# Voice dial for an easy and convenient drive

Once your smartphone is paired, activate voice dial with a simple tap on the source unit or from your steering wheel remote. Voice dial enables you to send voice commands to your smartphone for a totally hands free experience. \*smartphone dependant



Wireless Bluetooth calls and audio streaming

Pair your Bluetooth devices and it immediately auto connects when entering the vehicle. Once paired, make or answer calls, and stream audio wirelessly to vour source unit.



# Programmable steering wheel control

With a few quick simple taps, program key source unit functions onto your steering wheel remote for a safer drive. Switching modes, adjusting the source unit's volume or activating voice dial couldn't be more simpler!

# **MULTIMEDIA**

VX387A

2-DIN DVD multimedia

**□**iPod **□**iPhone

VX215A

station with built-in

**Bluetooth®** 

Made for

VX387A features

camera input

# Multifunctional multimedia entertainment station with everything you need

O CD/DVD

Phone

Monitor OFF

6.2-inch TFT LCD display 
 •800 x 480 pixel resolution •CD / DVD / iPod® / USB / AUX / Bluetooth / MP3 / WMA / MPEG-AAC playback • Xvid AVI

& MP4 video (720 x 480 / 576 resolution playback) • JPEG image format • MTP playback support for supported Android devices • Voice Control with

Voice Dial • DVB-T2 supported option with touch screen controls • Video output for external monitor connection • 7-Band graphic equaliser • Digital

Time Alignment Control • Subwoofer Control • Programmable steering wheel control • Built-in Bluetooth (HFP / A2DP / AVRCP / PBAP) and micro-

phone • Front USB and AUX input • iPod / iPhone audio playback • 50W x 4 channel Class AB amplifier • 2V / 4 channel audio pre-out • Reverse

DOLBY AUDIO\*

O Radio

G-"AUX

TA TP PTY AF REG

🚯 Bluetooth

÷

USB/iPod

12:34

\$ □ л 🤄













# Media playback over USB for Android<sup>™</sup> and iOS devices

Videos, music and photos are played easily across a USB connection with support for Media Transfer Protocol (MTP) for Android Devices. Enjoy simple iPod controls for iOS connected devices directly from the source



and convenience

Plug and play options for USB devices and music play-

back over iOS devices with simple iPod control. Avail-

able AUX input for legacy music playback devices.

Programmable steering wheel

With a few guick simple taps, program key source unit

functions onto your steering wheel remote for a safer

drive. Switching modes, adjusting the source unit's volume or activating voice dial couldn't be more simpler!

control

# Superior audio performance with fine audio controls

Achieve a clearer sonic image with Digital Time Alignment that adjusts each speaker's audio timing in 0.05ms increments. 9 EQ presets and subwoofer control provide customisable sonic experiences for each musical genre and audio expandability.

# Superior audio performance with fine audio adjustments

Achieve a clearer sonic imaging with the source unit's Digital Time Alignment. 7 EQ presets and 2 custom presets and subwoofer control provide customisable sonic experiences for each musical genre and audio expandability.

# control

With a few quick simple taps, program key source unit functions onto your steering wheel remote for a safer drive. Switching modes or adjusting volume couldn't be more simpler!





Made for





# VX215A features

• 6.2-inch TFT LCD display • 800 x 480 pixel resolution • CD / DVD / iPod / USB / AUX / MP3 / WMA / MPEG-AAC playback • 18FM, 6AM preset stations • Xvid AVI & MP4 video (720 x 480 / 576 resolution playback) • JPEG image format • 7-Band graphic equaliser • Digital Time Alignment Control • Loudness control • Programmable steering wheel control • Front USB and AUX input • iPod / iPhone audio playback • 50W x 4 channel Class AB amplifier • 2V / 4 channel audio pre-out • Support for reverse camera input • Wireless remote control included



# Front AUX and USB input for ease

For more

about

VX387A

information

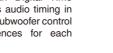
# Programmable steering wheel

06 www.clarion.com



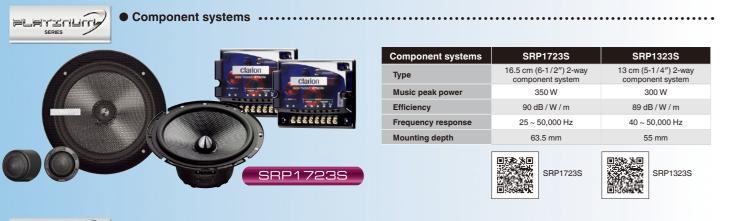






# Get the most out of your multimedia discs and digital media files

# Cutting-edge technology speakers





SRG6953R

ultiaxial 5, 4, 3-way	SRG6953R	SRG6943R	SRG6933R				
уре	15 cm × 23 cm (6" × 9") multiaxial 5-way	15 cm × 23 cm (6" × 9") multiaxial 4-way	15 cm × 23 cm (6" × 9") multiaxial 3-way				
lusic peak power	600 W	550 W	450 W				
fficiency	91 dB/W/m	91 dB/W/m	91 dB/W/m				
requency response	25 ~ 35,000 Hz	25 ~ 35,000 Hz	28 ~ 32,000 Hz				
lounting depth	71 mm	71 mm	77.5 mm				
		SPC6042P					



Multiaxial 5, 4, 3-way ·····



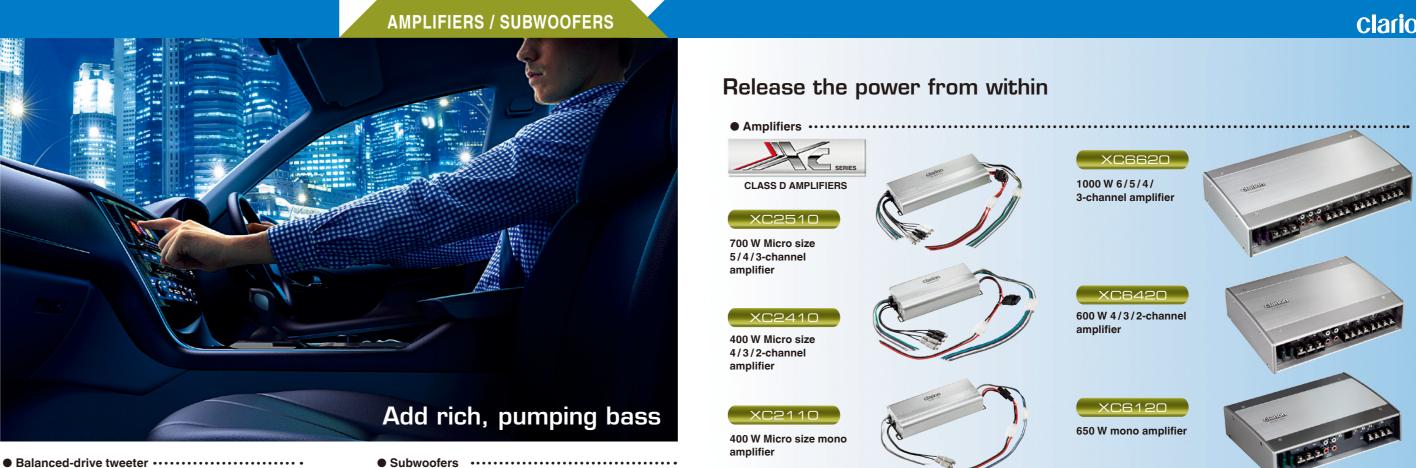
Coaxial 2-way



Coaxial 2-way	SRG1723R	SRG1323R	SRG1023R				
rpe	16.5 cm (6-1/2") coaxial 2-way	13 cm (5-1/4") coaxial 2-way	10 cm (4") coaxial 2-way				
usic peak power	280 W	230 W	200 W				
ficiency	91 dB/W/m	91 dB/W/m	90 dB / W / m				
equency response	28 ~ 30,000 Hz	40 ~ 30,000 Hz	45 ~ 30,000 Hz				
ounting depth	52.5 mm	44 mm	45 mm				
	SBG1723B	SRG1323R	SRG1023R				









Balanced-drive tweeter	SRG213H
Туре	2.5 cm (1") balanced-drive tweeter
Music peak power	200 W
Efficiency	90 dB / W / m
Frequency response	2,500 ~ 35,000 Hz
Mounting depth	17 mm





WF2520D

1000 W Max. 25 cm (10")

shallow-mount subwoofer

dual 4-ohm voice coil





1000 W Max. 30 cm (12") dual 4-ohm voice coil subwoofer



SRV250

150 W Max. 16.5 cm

subwoofer low-profile

(6-3/4") amplified

desian

# Empower yourself with pumped-up bass

#### SRV250 features

• 16.5 cm (6-3/4") Subwoofer • Built-in MOS-FET power amplifier with 150 W max. output over sound · Low-profile design allows installation under seat • AMI-PP cone with aramid fiber mixed in polypropylene • Rigid aluminium die-cast enclosure for tight bass reproduction • Independent buttons for gain control / low-pass filter / phase switching on wired remote control (cable: 2 m) RCA / Speaker level inputs • Remote control extension cable (4 m) included • Dimensions  $(W \times H \times D)$  (mm) Main unit: 275  $\times$  70  $\times$  195 Remote control unit: 32 × 24.5 × 111 • Weight (g) Main unit: 2,500 Remote control unit: 90

New wired remote control for full control installation



Low-profile design for flexible



# **MONITOR / REAR VISION CAMERAS**



# VT1020A

10.1-inch high definition rooftop monitor with motorised screen

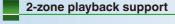




# HDMI<sup>™</sup>, composite and USB inputs

Play high or standard definition movies from your source unit through HDMI or composite video. Support for USB playback and a secondary HDMI input provides more options for media sources such as video game consoles or portable media players.





Keep passengers entertained while you focus on the road with 2-zone playback support. Connect multiple IR headphones for the convenience and viewing pleasure of more than one passenger without distracting the driver.

# High definition, crystal clear imagery

The TFT Active Matrix System gives you edge to edge clear, crisp images. Its high-efficiency LED backlit technology produces a consistent brightness across the display for the best viewing experience for High Definition video.

# Watch your back!



## 342.016-pixels CMOS sensor

The high-resolution CMOS imaging device offers the driver a clear view of what's behind them, with low-noise images even in low-light environments such as underground car parks.

CCA755

 For VX807AU. CZ307AU, CZ207AU,

USB extension cable

FZ307AU.FZ207AU

VX807A

NX316/

NX316/

VX316A

VX387A

VX215A

CZ307A

CZ207/

#### FZ307/

FZ207/

\*1 Please see our website for details of compatible Bluetooth models \*2 Please see our website for iPod and iPhone compatibility \*3 Front USB with slide cover \*4 Bass boost, Impact, Excite, Custom \*5 Low-Pass Filter \*6 14-seg × 10 1-Line \*7 Need optional interface unit



Video output: NTSC • Sealed unit construction • 8-feet

(2.5 m) camera pigtail • 23-feet (7 m) RCA and power connections • Dimensions (inches): 29 / 32 (H) × 29 /

32 (W) × 7 / 8 (D) • Dimensions (mm): 23 (H) × 23 (W)

×22 (D) • Compatible with CAU001 license plate frame

Distance guide lines (Red, Orange, Yellow, Green)

Accessories

• WH114H:

Replacement

RCX006 Infrared remote control For VX807AU

Micro HDMI cable (Type A to Type D)

## MULTIMEDIA SPECIFICATIONS

	MED	A					CON	NECTIO	N											ю						GEN	ERAL		
	VIDEO		MP3 WWA AAC	MPEG4	DOLBY	FM/AM	3 Bluetooth	BiPod []Phone	Android <sup>®</sup>	Apple Cartley	нэті	USB	PuliDigited Sound		<u>2V/6ch</u>	Rear Vision Camera	AUX	Built-in navigation	Subwoofer level control	Manssex	24bit	BeatED		((G-EQ))	LPFWHPF	50 W×4		TOUCH 🗱 PANEL	CEN TITE
7AU	•	•	•	•	•	18 FM, 6 AM	●* <sup>1</sup>	• *2	•	•	Input	Dual	•	•	2V / 6 ch	•*3	•*4	Ready	•	•	•	-	-	15-band	•*5	•	•	•	• *6
6 <b>A</b>	•	•	•	•	•	18 FM, 6 AM	●* <sup>1</sup>	• *2	_	_	_	Front	-	_	2V / 4ch	•*3	•	Ready	-	_	_	_	•	7-band	•*5	•	_	•	• *6
6AW	•	•	•	•	•	18 FM, 6 AM	●* <sup>1</sup>	• *2	-	-	-	Rear	-	-	2V / 4ch	•*3	•	Ready	-	-	-	-	•	7-band	•*5	•	-	•	• *6
δA	•	•	•	•	•	18 FM, 6 AM	●* <sup>1</sup>	• *2	•	-	Input	Front	_	_	2V / 4ch	● *3	•	-	-	_	-	_	•	7-band	•*5	•	-	•	• *6
7A	•	•	•	•	•	18 FM, 6 AM	●* <sup>1</sup>	• *2	_	-	-	Front	-	-	2V / 4ch	•*3	•	-	-	-	-	_	•	7-band	•*5	•	-	•	• *6
5A	•	•	•	•	•	18 FM, 6 AM	-	• *2	_	_	-	Front	_	_	2V / 4ch	● *3	•	-	-	_	_	_	•	7-band	_	•	_	•	• *6

\*1 Please see our website for details of compatible Bluetooth models \*2 Please see our website for iPod and iPhone compatibility \*3 Rear vision camera sold separately \*4 AV inputs-rear RCA \*5 Low Pass / High Pass Filters \*6 Programmable

## SOURCE UNIT SPECIFICATIONS

1	MEDIA     CONNECTION															
		MP3/WMA	FM/AM	😢 Bluetooth'	Pod [Phone]	s>	USB	<u>SA\ëc</u> µ	FRONT	Subwoofer level control	BeatE0	LPF	High Visibility LCD	Integral Rotary Yolume	45W×4	OEM Hittig
AU	•	•	18 FM, 6 AM	●*1	• *2	Front	Front *3	•	•	•	•*4	●*5	•*6	•	•	•*7
AU	•	•	18 FM, 6 AM	_	• *2	Front	Front *3	•	•	•	•*4	•*5	•*6	•	•	•*7
٩U	_	•	18 FM, 6 AM	●*1	• *2	Front	Front *3	•	•	•	•*4	•*5	•*6	•	•	•*7
٩U	_	•	18 FM, 6 AM	_	• *2	Front	Front *3	•	•	•	•*4	•*5	•*6	•	•	•*7

## AMPLIFIERS SPECIFICATIONS

	Maximum power output	4-Ohm	2-Ohm	Туре	Number of channels	Dimensions $(W \times L \times H)$
XC2510	700 W	50 W × 4 + 200 W × 1	75 W × 4 + 300 W × 1	Class D	5/4/3	280 × 110 × 39 mm
XC2410	400 W	$50 \text{ W} \times 4$	75W imes 4	Class D	4/3/2	182 × 82 × 39 mm
XC2110	400 W	200W  imes 1	300 W × 1	Class D	Mono	202 × 82 × 39 mm
XC6620	1000 W	85 W × 6	$125 \text{W} \times 6$	Class D	6/5/4/3	388 × 174 × 55 mm
XC6420	600 W	$85 \mathrm{W}  imes 4$	$125 \text{W} \times 4$	Class D	4/3/2	222 × 174 × 55 mm
XC6120	1300 W	330 W × 1	650 W × 1	Class D	Mono	222 × 174 × 55 mm

## SUBWOOFERS SPECIFICATIONS

	Size	Maximum power handling	High strength stamped steel	Dual voice coil	Dimensions (W × H × D)
WG3020D	30 cm (12")	1000 W	•	•	$307 \times 307 \times 150 \text{ mm}$
WF2520D	25 cm (10")	1000 W	•	•	$260 \times 260 \times 80 \text{ mm}$