IMPACT-X Series

Passive Loudspeakers

USER MANUAL

IMPACT-X15
IMPACT-X215L
IMPACT-X18BL
IMPACT-X15ML
IMPACT-X15L
IMPACT-X215LL
IMPACT-X218B
IMPACT-X215
IMPACT-X18B
IMPACT-X218BL



Wharfedale Pro

www.wharfedalepro.com

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IMPORTANT WARNINGS & SAFETY INSTRUCTIONS

- Read these instructions
- Follow these instructions
- Keep these instructions for future reference
- Heed all warnings
- Do not use this system near moisture or water
- Clean only with a dry cloth
- Install in accordance with these Wharfedale Pro operating instructions
- Follow the manufacturer's operating instructions for all peripheral devices such as amplifiers and processors
- Do not install near heat sources such as radiators, heat registers, stoves or any other apparatus that produces heat (for example lighting systems and amplifiers)
- Use only accessories specified or supplied by Wharfedale Pro
- Do not use shielded microphone/instrument cables to connect amplifiers and speakers, use only approved speaker cables with proper connectors
- Use caution with placement and operation of this speaker system, permanent hearing damage can be caused by prolonged exposure to excessive sound pressure levels
- Refer all servicing to qualified professionals. Servicing is required when the loudspeaker has been damaged in any way, such as impact damage, liquid ingress or foreign object damage. In addition the loudspeaker should be referred to qualified service personnel if there is any kind of malfunction.



- Rigging, suspending and mounting should only be attempted by experience qualified professionals. Incorrect usage can result in damage to equipment and property, injury and even death. Under no circumstances should you attempt to rig, suspend or mount these speakers unless you are fully qualified and certified to do so by relevant local, state and national authorities. If you are not properly qualified or do not know of pertinent regulations consult qualified personnel for advice. Consult a structural engineer before suspending a speaker system and ensure that the total weight of your system can be held by the truss or mounting surface.



- Inspect all mounting hardware before rigging, suspending or mounting. If there is any damage or distortion to any mounting hardware do not proceed until any damaged hardware is repaired or replaced.

UNPACKING

- All Wharfedale Pro products are fully checked before leaving our factory. After unpacking please inspect the cabinets for any physical damage Please retain the shipping carton if possible and internal packing material incase the unit ever needs to be returned. Please check as soon as possible that the unit is functioning. In the event of any damage please contact your dealer immediately so that a written claim for damage can be made.

PRODUCT FEATURES

IMPACT-X15

15" Passive loudspeaker
1400w peak
130dB max SPL
1.75" HF compression driver
2.5" LF voice coil
MDF construction
Combi connector inputs

350w RMS
700w Programme
1400w Peak

IMPACT-X15L

15" Passive loudspeaker
1400w peak
130dB max SPL
1.75" HF compression driver
2.5" LF voice coil
MDF construction
Combi connector inputs

350w RMS
700w Programme
1400w Peak

IMPACT-X15ML

15" Passive Floor monitor
1400w peak
130dB max SPL
1.75" HF compression driver
2.5" LF voice coil
MDF construction
Combi connector inputs

350w RMS
700w Programme
1400w Peak

IMPACT-X215

Dual 15" Passive loudspeaker
2800w peak
135dB max SPL
1.75" HF compression driver
2.5" LF voice coils
MDF construction
Combi connector inputs

700w RMS
1400w Programme
2800w Peak

IMPACT-X215L

Dual 15" Passive loudspeaker
2800w peak
135dB max SPL
1.75" HF compression driver
2.5" LF voice coils
MDF construction
Combi connector inputs

700w RMS
1400w Programme
2800w Peak

IMPACT-X215LL

Dual 15" Passive loudspeaker
3200w peak
>135dB max SPL
1.75" HF compression driver
2.5" LF voice coils
MDF construction
Combi connector inputs

800w RMS
1600w Programme
3200w Peak

IMPACT-X18B

18" Passive Subwoofer
2000w peak
133dB max SPL
30Hz - 250Hz
2.5" LF voice coil
MDF construction
Combi connector inputs

500w RMS
1000w Programme
2000w Peak

IMPACT-X18BL

18" Passive Subwoofer
2400w peak
134dB max SPL
30Hz - 250Hz
3.0" LF voice coil
MDF construction
Combi connector inputs

600w RMS
1200w Programme
2400w Peak

IMPACT-X218B

Dual 18" Passive Subwoofer
4000w peak
137dB max SPL
30Hz - 1.5kHz
2.5" LF voice coils
MDF construction
Combi connector inputs

1000w RMS
2000w Programme
4000w Peak

IMPACT-X218BL

Dual 18" Passive Subwoofer
4800w peak
139dB max SPL
30Hz - 1.5kHz
3.0" LF voice coils
MDF construction
Combi connector inputs

1200w RMS
2400w Programme
4800w Peak

CONNECTIONS

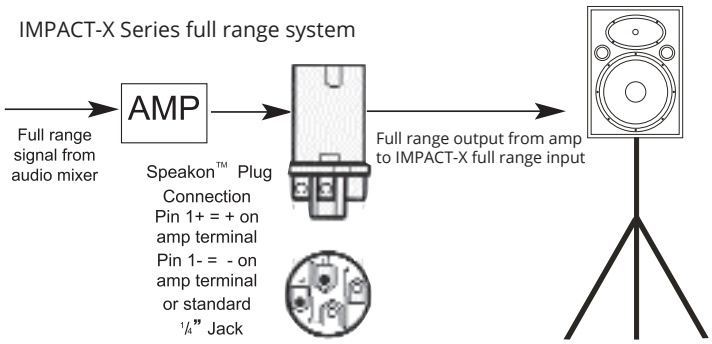
1 - Connect the speaker cable securely to your IMPACT-X cabinet and power amplifier. The amplifier should be in the OFF, POWER DOWN mode. Where possible use the speakON compatible connectors as they are professional high current connectors specifically designed for high power audio applications. Use the correct type of speaker cable according to the handling capacity of your IMPACT-X loudspeaker. Use 2 conductors equal stranded insulated cable for speaker runs. It is always advisable to use heavier cabling for longer cable runs.

2 - If using the speakON input of the combi connector, insert the speakON cable and rotate 1/8 of a turn until locked in/ If using the jack plug input of the connector, insert it until secure.

3 - Power up your amplifier with levels set to zero. Carefully turn up amplifier volumes to confirm that the connections are working.

IMPACT-X15 IMPACT-X15L IMPACT-X215 IMPACT-X215L IMPACT-X215LL

IMPACT-X FULL RANGE

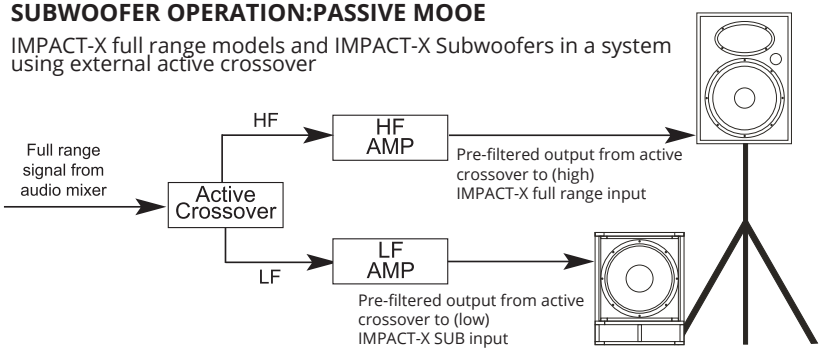


IMPACT-X18B IMPACT-X18BL IMPACT-X218B IMPACT-X218BL

IMPACT-X FULL RANGE AND SUBWOOFER

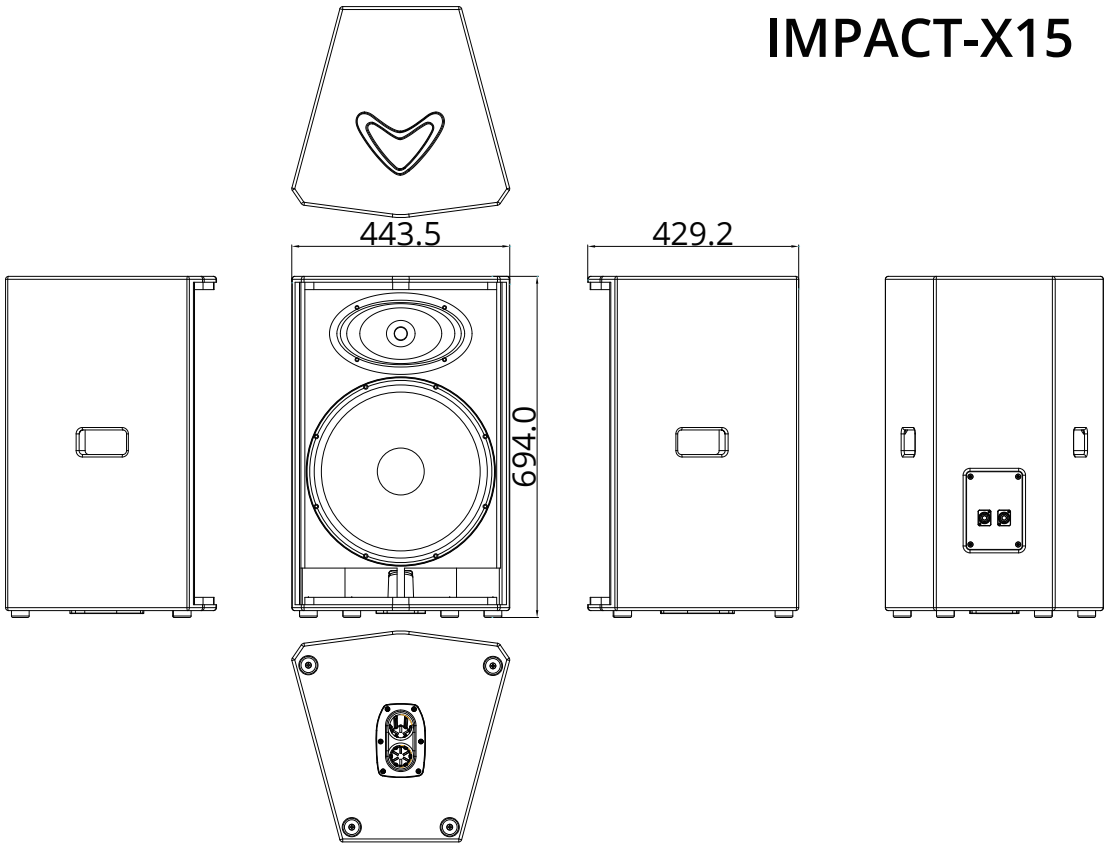
SUBWOOFER OPERATION:PASSIVE MOOE

IMPACT-X full range models and IMPACT-X Subwoofers in a system using external active crossover

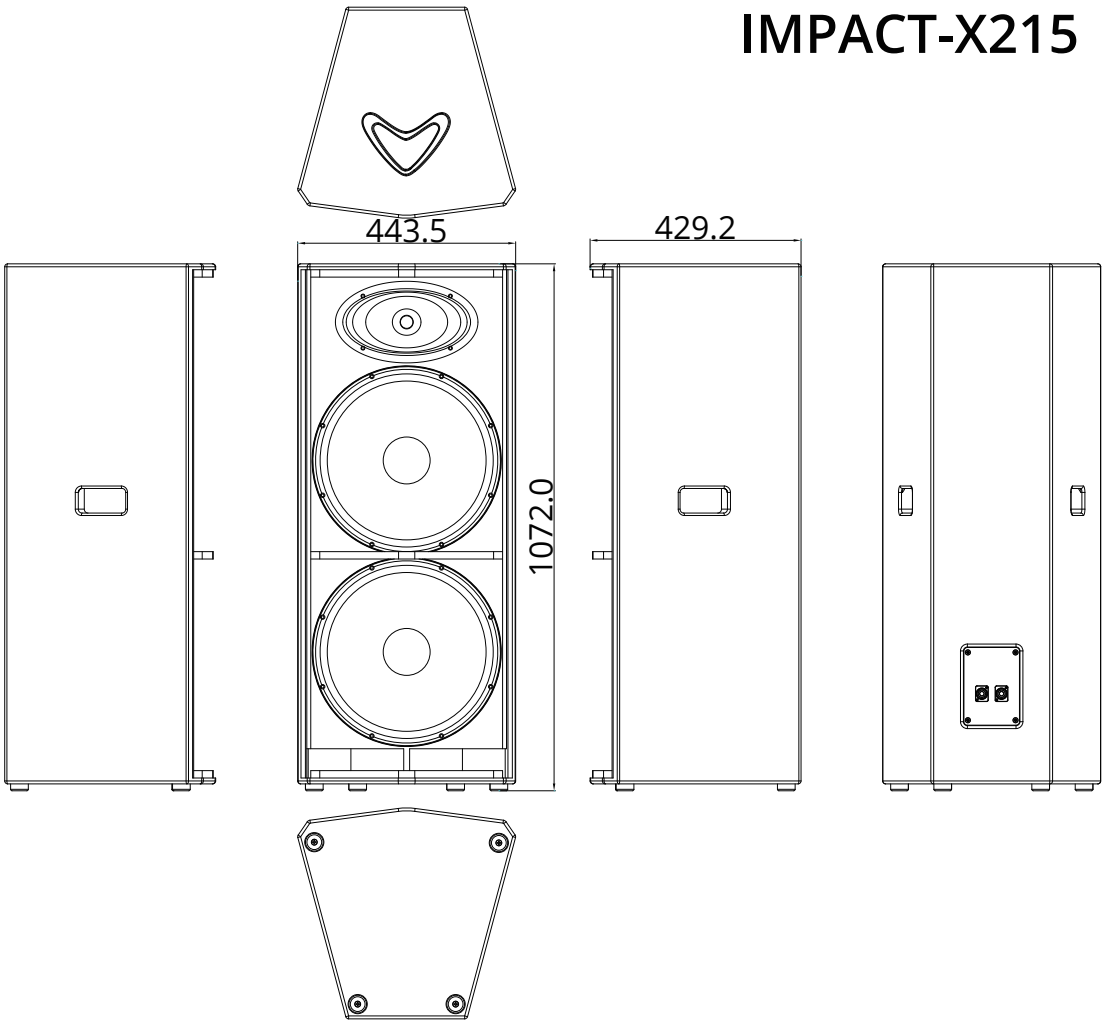


DIMENSIONAL DRAWINGS

IMPACT-X15

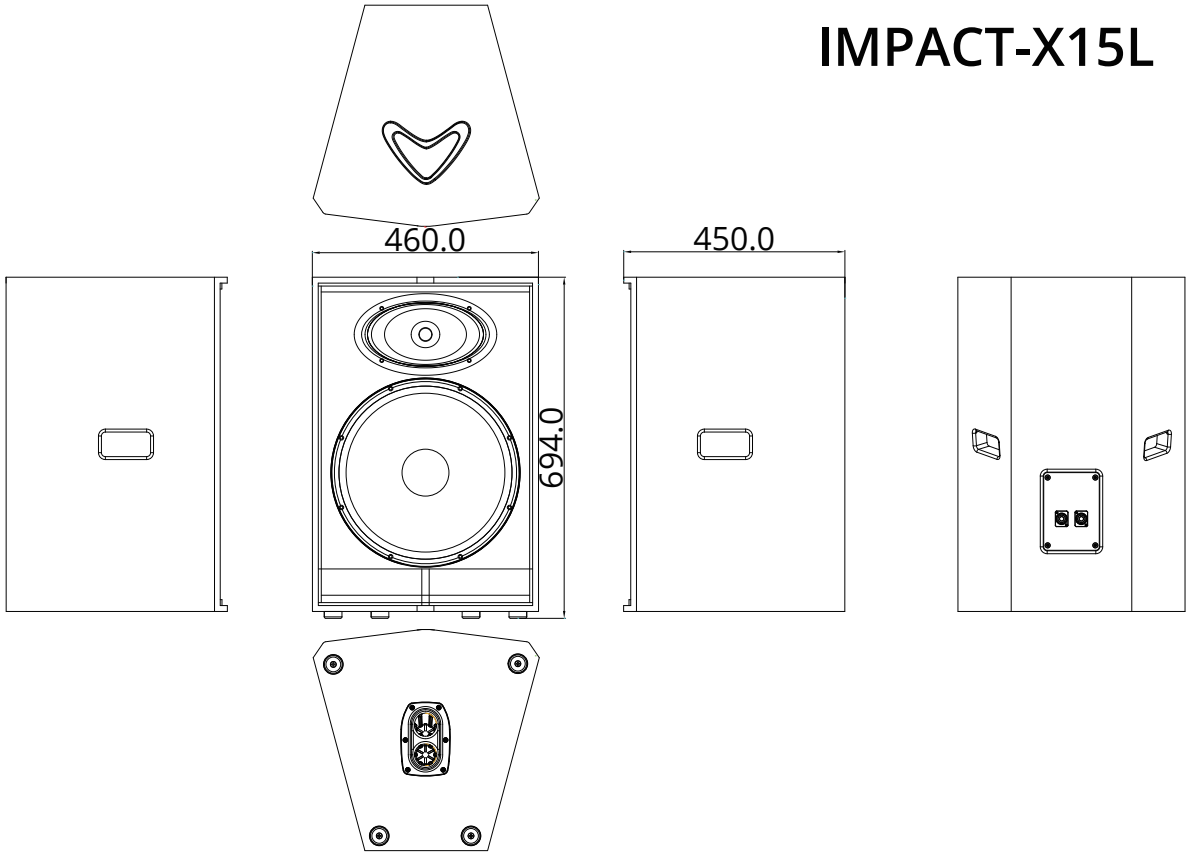


IMPACT-X215

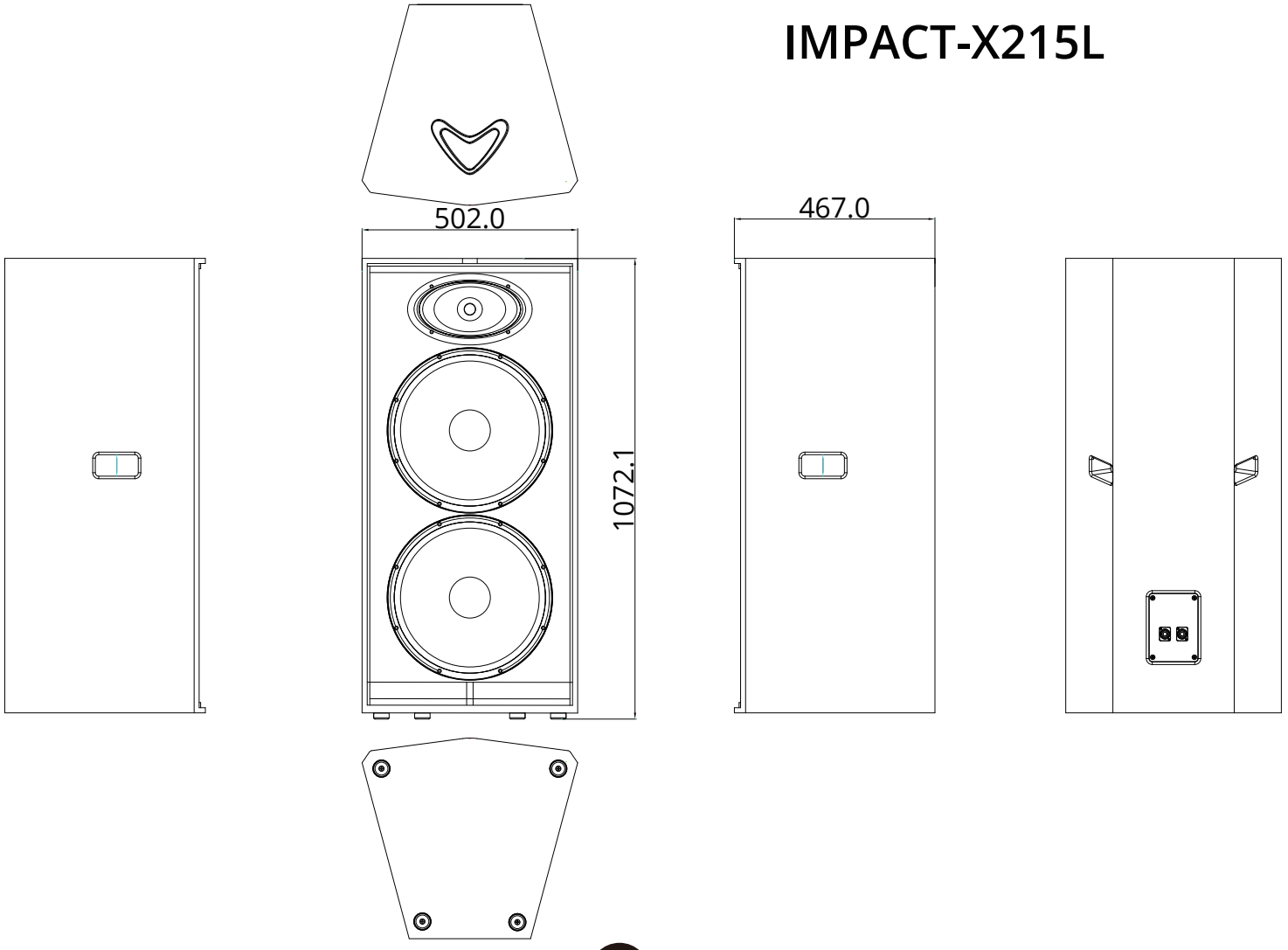


DIMENSIONAL DRAWINGS

IMPACT-X15L

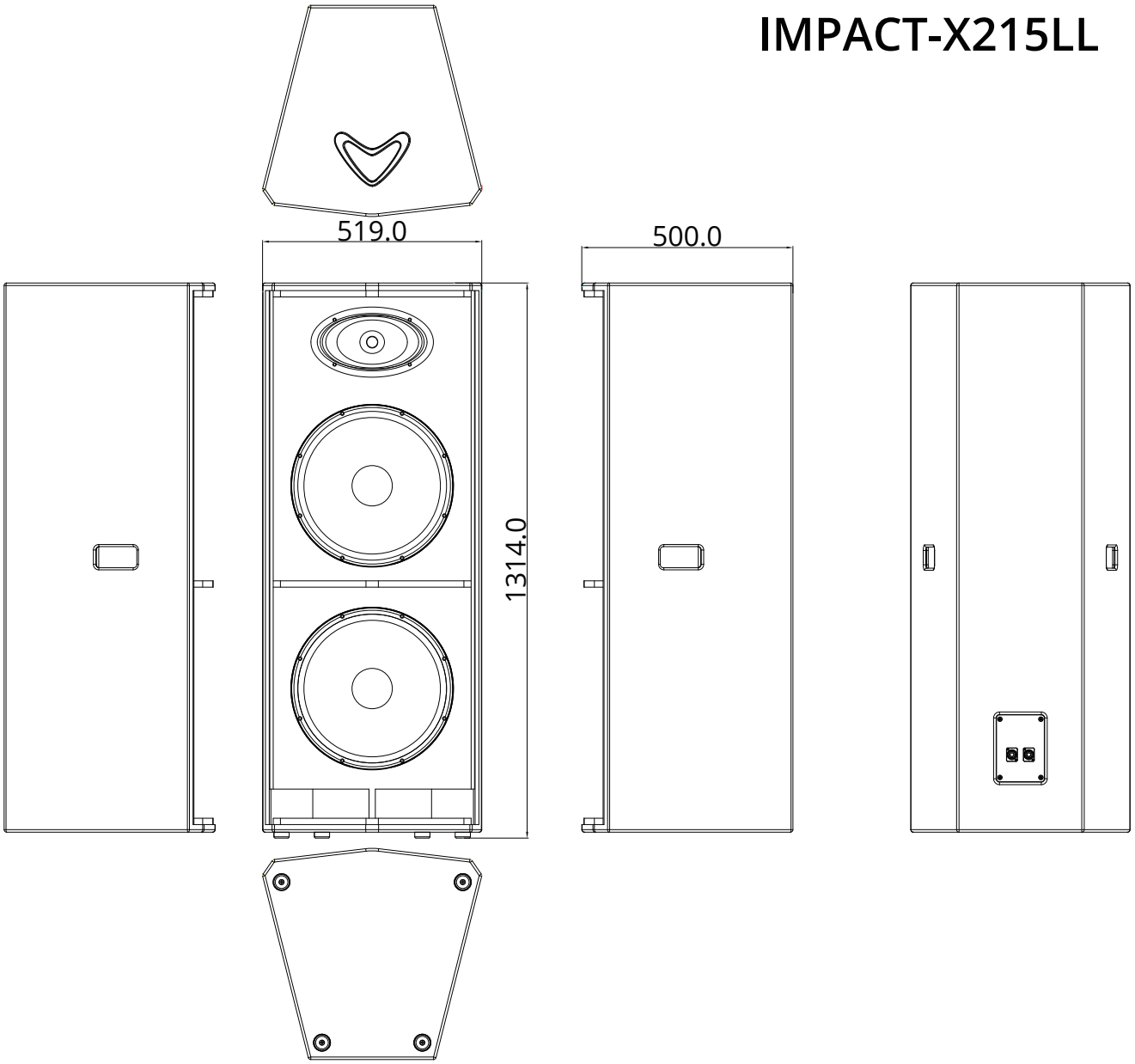


IMPACT-X215L

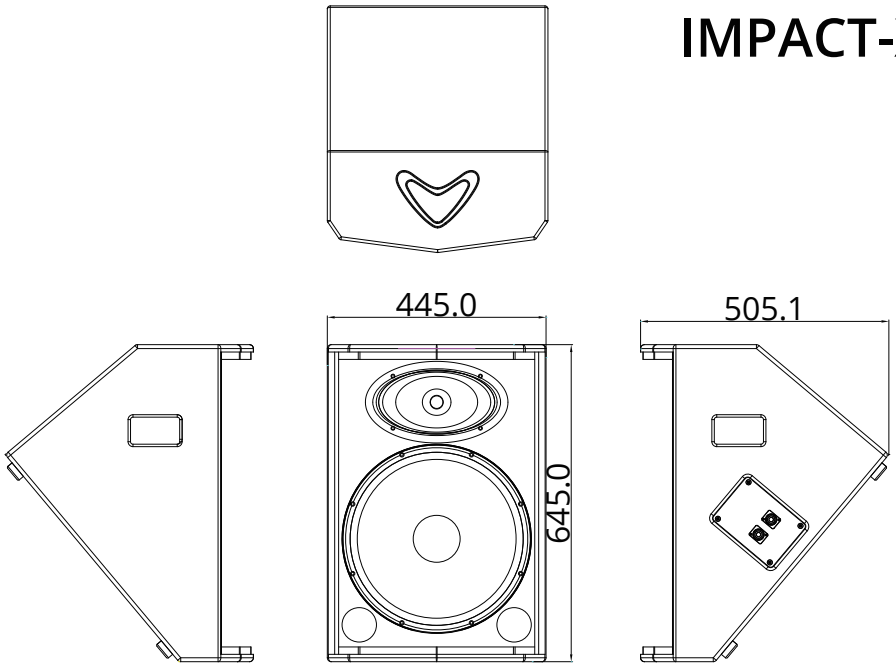


DIMENSIONAL DRAWINGS

IMPACT-X215LL

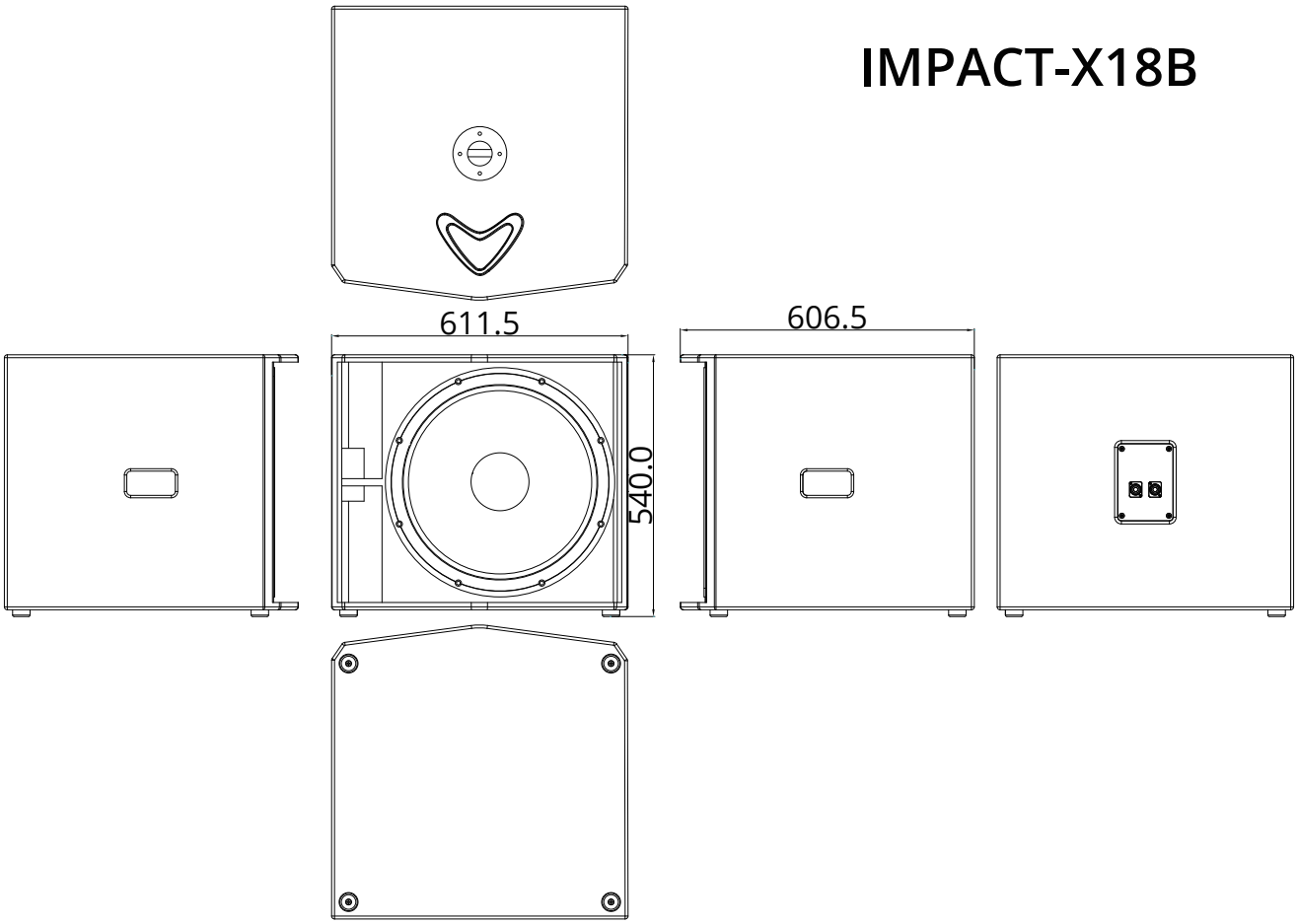


IMPACT-X15ML

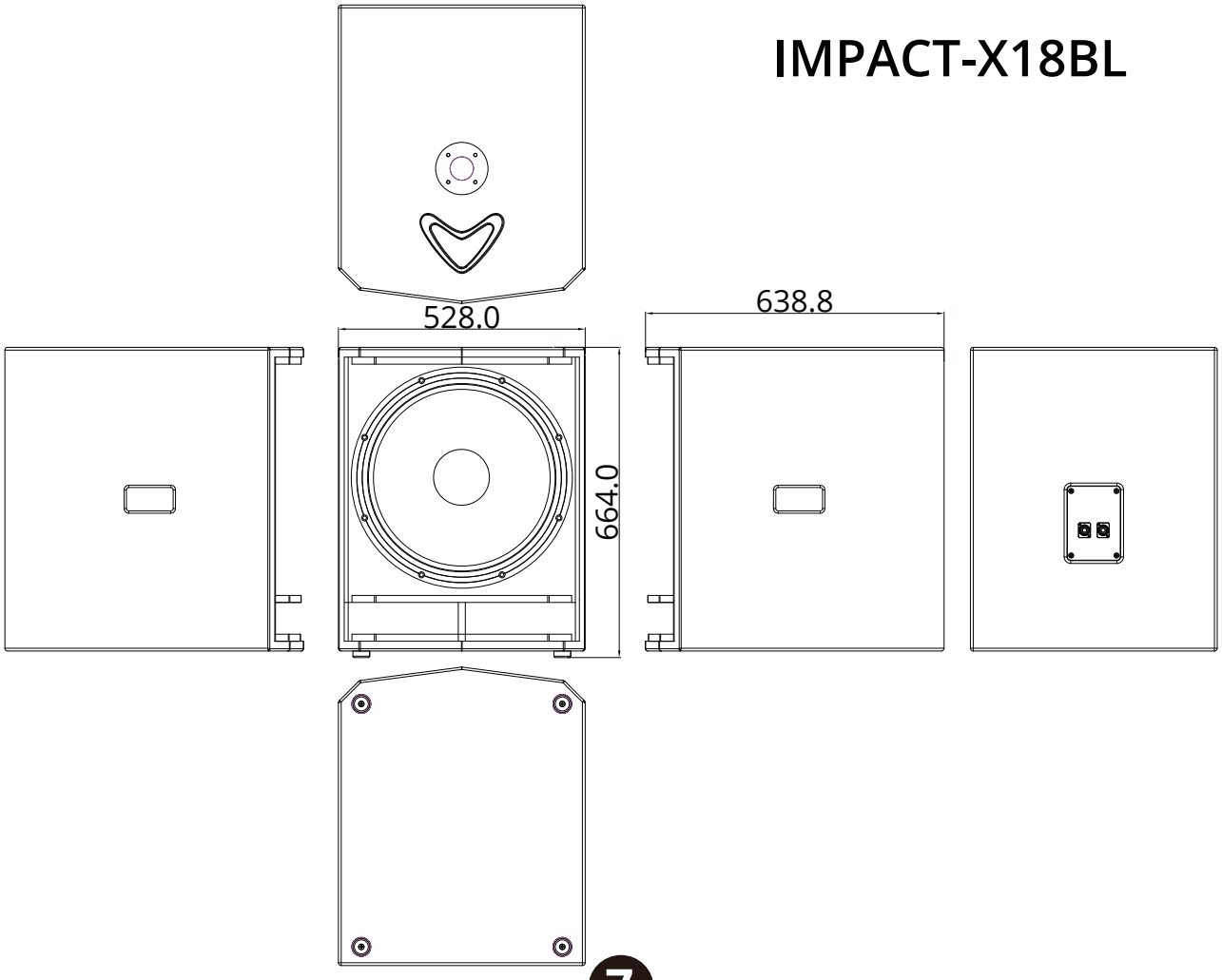


DIMENSIONAL DRAWINGS

IMPACT-X18B

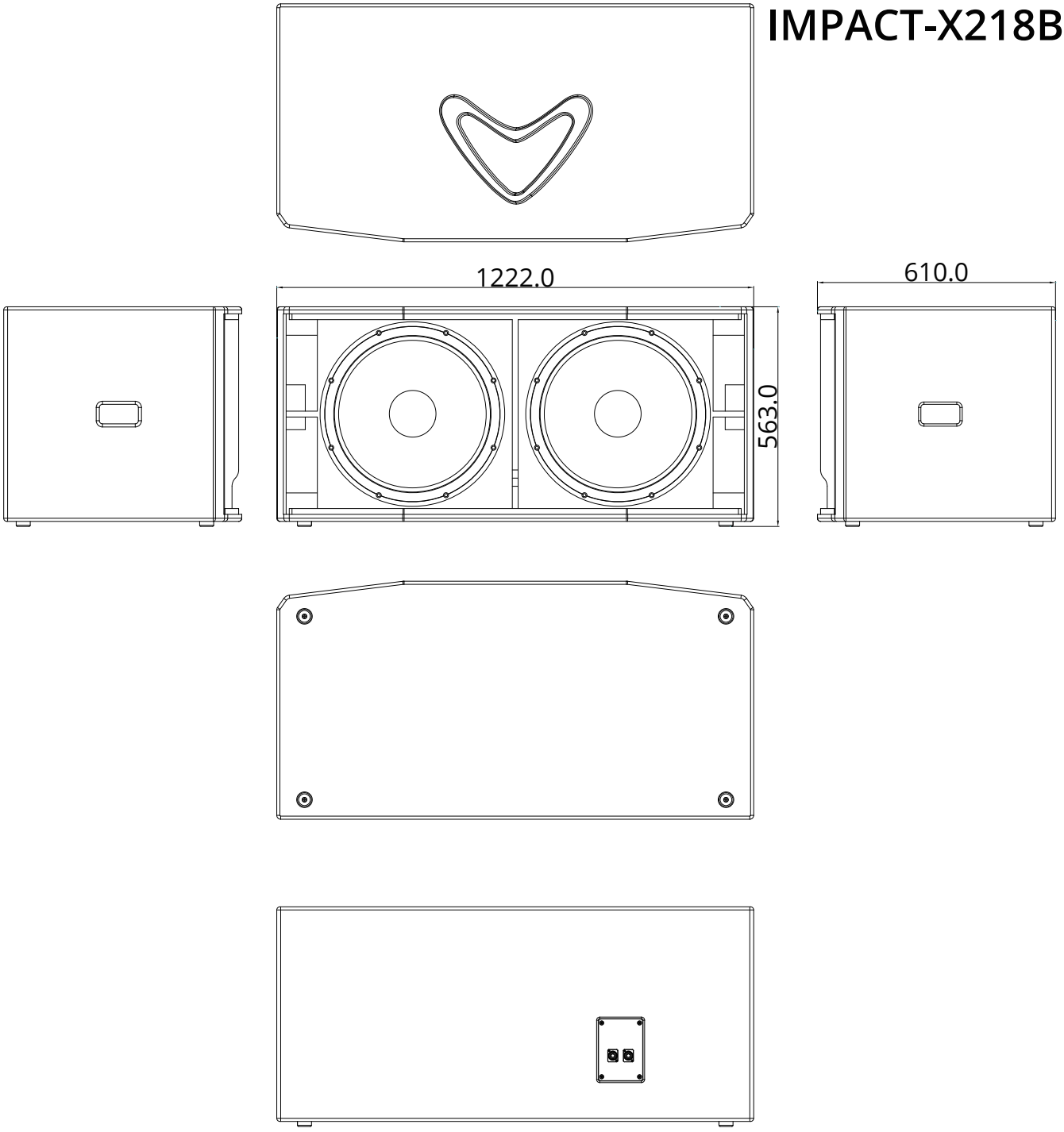


IMPACT-X18BL



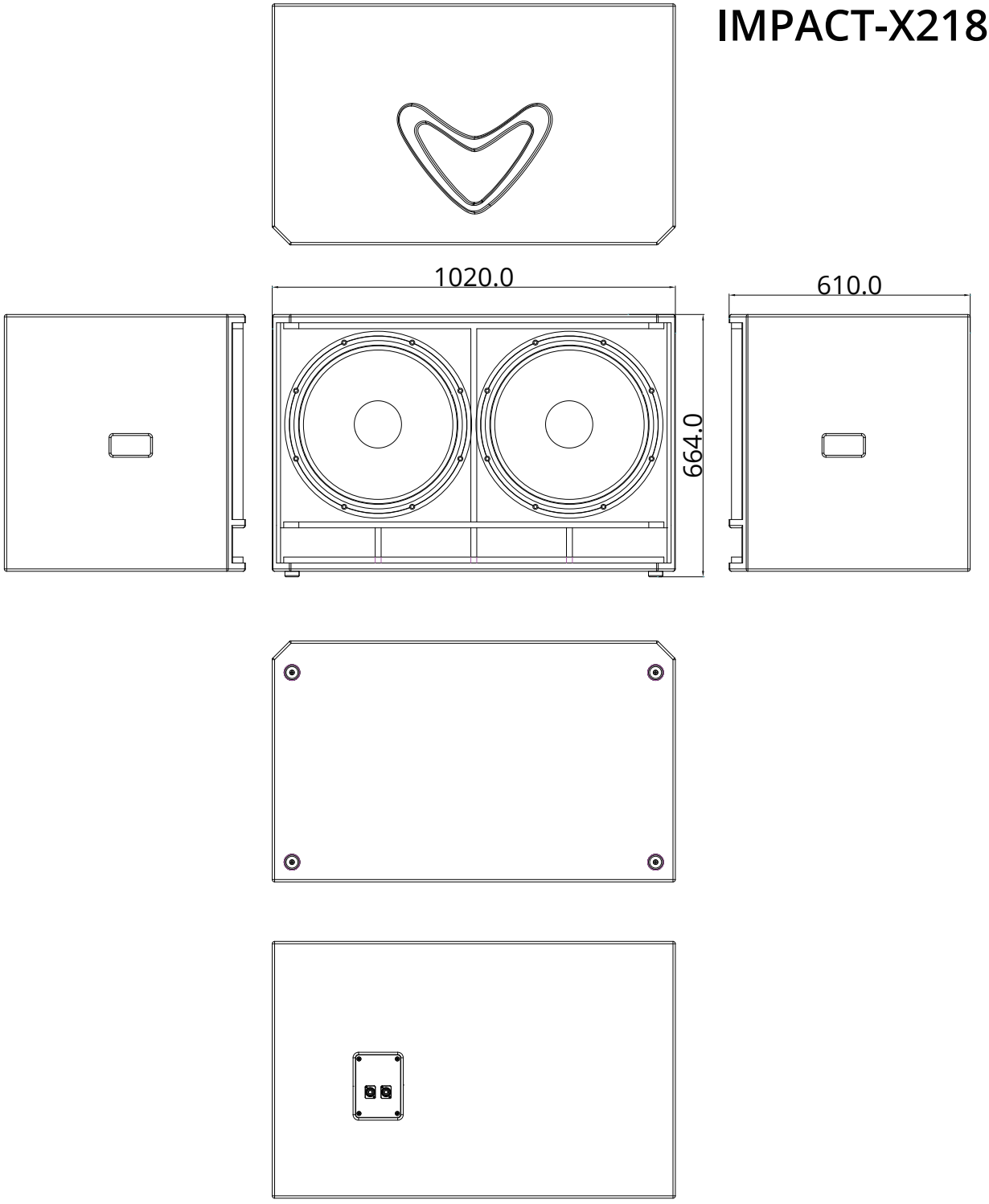
DIMENSIONAL DRAWINGS

IMPACT-X218B



DIMENSIONAL DRAWINGS

IMPACT-X218BL



SPECIFICATIONS

Model Name	IMPACT-X15	IMPACT-X15L	IMPACT-X15ML	IMPACT-X215
System Type	Passive	Passive	Passive	Passive
Configuration	Two-way	Two-way	15" two-way Monitor	Two-way
Frequency Response (+/-3dB)	50-18kHz	50-18kHz	55-18kHz	45-18kHz
Frequency Range (-10dB)	45-20kHz	45-20kHz	50-20kHz	40-20kHz
Sensitivity (2.83v/1m)	98dB	98dB	98dB	101dB
Calculated Maximum SPL @1m	130dB	130dB	130dB	135dB
System Rated Impedance	8Ω	8Ω	8Ω	4Ω
Low Frequency Transducer				
Size	381mm / 15"	381mm / 15"	381mm / 15"	2 x 381mm / 15"
Voice Coil Size	65mm / 2.5”	65mm / 2.5”	Dual 2 layer 2.5"	65mm / 2.5”
Rated Impedance	8Ω	8Ω	8Ω	2x8Ω
LF Power (re:AES2-2012)	350W	350W	350W	2x350W
High Frequency Transducer				
HF Driver Type	Compression Driver	Compression Driver	Compression Driver	Compression Driver
Voice Coil Size	44mm / 1.75"	44mm / 1.75"	44mm / 1.75"	44mm / 1.75"
Exit Size	25mm / 1"	25mm / 1"	25mm / 1"	25mm / 1"
Diaphragm Material	Titanium	Titanium	Titanium	Titanium
Rated Impedance	8Ω	8Ω	8Ω	8Ω
HF Power (re:AES2-2012)	40W	40W	40W	40W
Nominal Coverage (H x V)	90° x 60°	90° x 60°	90° x 60°	90° x 60°
Nominal Impedance	8Ω	8Ω	8Ω	8Ω
Power				
System Continuous Power	350W	350W	350W	700W
System Programme Power	700W	700W	700W	1400W
System Peak Power	1400W	1400W	1400W	2800W
Crossover frequency	2.2kHz	2.2kHz	2.2kHz	2.2kHz
Input Connector	2 x NL2 combi jack	2 x NL2 combi jack	2 x NL2 combi jack	2 x NL2 combi jack
Hardware	Dual-angle (0° or 10°) 35mm pole socket 2 carry handles	2 carry handles	N/A 2 carry handles	N/A 2 carry handles
Enclosure				
Enclosure Material and finish	MDF	MDF	MDF	MDF
Colour Options	black paint	black paint	black paint	black paint
Grille Material & Finish	steel	steel	steel	steel
Dimensions - Unpacked				
Height	680mm / 26.77"	680mm / 26.8"	645mm / 25.39"	1058mm / 41.7"
Width Front	444.5mm / 17.5"	460mm / 18.1"	445mm / 17.52"	444.5mm / 17.5"
Width Rear	245.3mm / 9.66"	249.6mm / 9.8"	445mm / 17.52"	245.3mm / 9.7"
Depth	429mm / 16.89"	450mm / 17.7"	505mm / 19.9"	429mm / 16.9"
Dimensions - Packed				
Height	750mm / 29.53"	759mm / 29.9"	501mm / 19.72"	1125mm / 44.3"
Width Front	520mm / 20.47"	535mm / 21.1"	691mm / 27.2"	520mm / 20.5"
Width Rear	290mm / 11.42"	295mm / 11.6"	691mm / 27.2"	290mm / 11.4"
Depth	485mm / 19.1"	506mm / 19.9"	532mm / 20.94"	496mm / 19.5"
Weight				
Net Weight	22.8kg / 50.16lbs	23.5kg / 51.7lbs	21.9kg / 48.2lbs	34.5kg / 75.9lbs
Gross Weight	25.8 / 56.76lbs	26.6kg / 58.52lbs	25.4kg / 55.9lbs	38.9kg / 85.6lbs

SPECIFICATIONS

Model Name	IMPACT-X215L	IMPACT-X215LL	IMPACT-X18B	IMPACT-X18BL
System Type	Passive	Passive	Passive	Passive
Configuration	Two-way	Two-way	18" Subwoofer	18" Subwoofer
Frequency Response (+/-3dB)	45-18kHz	45-18kHz	40-220Hz	40-220Hz
Frequency Range (-10dB)	45-20kHz	40-20kHz	30-250Hz	30-250Hz
Sensitivity (2.83v/1m)	101dB	101dB	100dB	100dB
Calculated Maximum SPL @1m	135dB	> 135dB	133dB	134dB
System Rated Impedance	4Ω	4Ω	4Ω	4Ω
Low Frequency Transducer				
Size	2 x 381mm / 15"	2 x 381mm / 15"	470mm / 18"	470mm / 18"
Voice Coil Size	65mm / 2.5”	65mm / 2.5”	65mm / 2.5”	Quad layer 3.0"
Rated Impedance	2x8Ω	8Ω	4Ω	4Ω
LF Power (re:AES2-2012)	2x350W	800W	500W	600W
High Frequency Transducer				
HF Driver Type	Compression Driver	Compression Driver	-	-
Voice Coil Size	44mm / 1.75"	44mm / 1.75"	-	-
Exit Size	25mm / 1"	25mm / 1"	-	-
Diaphragm Material	Titanium	Titanium	-	-
Rated Impedance	8Ω	8Ω	-	-
HF Power (re:AES2-2012)	40W	40W	-	-
Nominal Coverage (H x V)	90° x 60°	90° x 60°	-	-
Nominal Impedance	8Ω	8Ω	-	-
Power				
System Continuous Power	700W	800W	500W	600W
System Programme Power	1400W	1600W	1000W	1200W
System Peak Power	2800W	3200W	2000W	2400W
Crossover frequency	2.2kHz	2.2kHz	250Hz	250Hz
Input Connector	2 x NL2 combi jack	2 x NL2 combi jack	2 x NL2 combi jack	2 x NL2 combi jack
Hardware	2 carry handles	N/A 2 carry handles	35mm pole socket 2 carry handles	35 mm pole socket 2 carry handles
Enclosure				
Enclosure Material and finish	MDF	15mm MDF	MDF	MDF
Colour Options	black paint	black paint	black paint	black paint
Grille Material & Finish	steel	1.2mm steel	steel	steel
Dimensions - Unpacked				
Height	1058mm / 41.7"	1300mm / 51.18”	526mm / 20.71"	650mm / 25.6"
Width Front	502mm / 19.8"	520mm / 20.47”	611mm / 24.06"	528mm / 20.8"
Width Rear	282.5mm / 11.1"	300mm / 11.81”	611mm / 23.06"	528mm / 20.8"
Depth	467mm / 18.4"	500mm /19.68”	606.5mm / 23.88"	639mm / 25.2"
Dimensions - Packed				
Height	1125mm / 44.3"	1387mm / 54.5”	635mm / 25.0"	740mm / 29.1"
Width Front	577mm / 22.7"	594mm / 23.39”	710mm / 27.95"	725mm / 28.5"
Width Rear	327mm / 12.9"	362mm / 14.3”	710mm / 27.95"	725mm / 28.5"
Depth	534mm / 21.0"	567mm / 22.32”	660mm / 25.98"	614mm / 24.2"
Weight				
Net Weight	37.1kg / 81.6lbs	45.0kg / 99.2lbs	34.52kg / 75.9lbs	40.0kg / 88.0lbs
Gross Weight	41.6kg / 91.5lbs	56.0kg / 123.5lbs	41.2kg / 90.6lbs	44.2kg / 97.3lbs

SPECIFICATIONS

Model Name	IMPACT-X218B	IMPACT-X218BL
System Type	Passive	Passive
Configuration	2x18" Subwoofer	2x18" Subwoofer
Frequency Response (+/-3dB)	35Hz-1.2kHz	35Hz-1.2kHz
Frequency Range (-10dB)	30Hz-1.5kHz	30Hz-1.5kHz
Sensitivity (2.83v/1m)	101dB	102dB
Calculated Maximum SPL @1m	137dB	139dB
System Rated Impedance	4Ω	4Ω
Low Frequency Transducer		
Size	2 x 470mm / 18"	2 x 470mm / 18"
Voice Coil Size	65mm / 2.5”	Quad layer 3.0"
Rated Impedance	2x8Ω	2x8Ω
LF Power (re:AES2-2012)	2x500W	2x600W
High Frequency Transducer		
HF Driver Type	-	-
Voice Coil Size	-	-
Exit Size	-	-
Diaphragm Material	-	-
Rated Impedance	-	-
HF Power (re:AES2-2012)	-	-
Nominal Coverage (H x V)	-	-
Nominal Impedance	-	-
Power		
System Continuous Power	1000W	1200W
System Programme Power	2000W	2400W
System Peak Power	4000W	4800W
Crossover frequency	-	-
Input Connector	2 x NL2 combi jack	2 x NL2 combi jack
Hardware	N/A 2 carry handles	N/A 2 carry handles
Enclosure		
Enclosure Material and finish	18mm MDF	15mm MDF
Colour Options	black paint	black paint
Grille Material & Finish	steel	steel
Dimensions - Unpacked		
Height	554mm / 21.81"	650mm / 25.6"
Width Front	1222mm / 48.11"	1020mm / 40.2"
Width Rear	1222mm / 48.11"	1020mm / 40.2"
Depth	606.5mm / 23.88"	610mm / 24.0"
Dimensions - Packed		
Height	628mm / 24.72"	728mm / 28.7"
Width Front	1295mm / 50.98"	1092mm / 43.0"
Width Rear	1295mm / 50.98"	1092mm / 43.0"
Depth	685mm / 26.97"	685mm / 27.0"
Weight		
Net Weight	78.9kg / 173.58lbs	67.3kg / 148.06lbs
Gross Weight	83.1kg / 182.8lbs	72.6kg / 159.72lbs

WHARFEDALE PRO LIMITED WARRANTY

Wharfedale Pro products are warranted of manufacturing or material defects for a period of three years from the original date of purchase. In the event of malfunction, contact your authorised Wharfedale Pro dealer or distributor for information.

Please be aware that the warranty details may differ from country to country. Contact your dealer or distributor for information (available at www.wharfedalepro.com). These terms do not infringe your statutory rights.

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www.wharfedalepro.com

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April 2023