

# IMPACT-X Series

## Passive Loudspeakers

### USER MANUAL

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IMPACT-X15  
IMPACT-X215L  
IMPACT-X18BL

IMPACT-X15L  
IMPACT-X15ML  
IMPACT-X218B

IMPACT-X215  
IMPACT-X18B  
IMPACT-X218BL



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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 in case 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-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

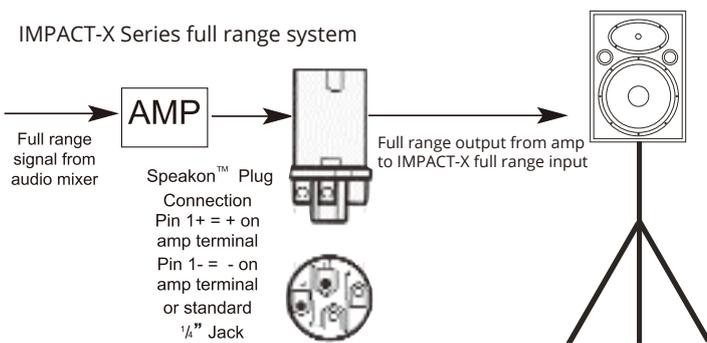
## IMPACT-X218BL

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.

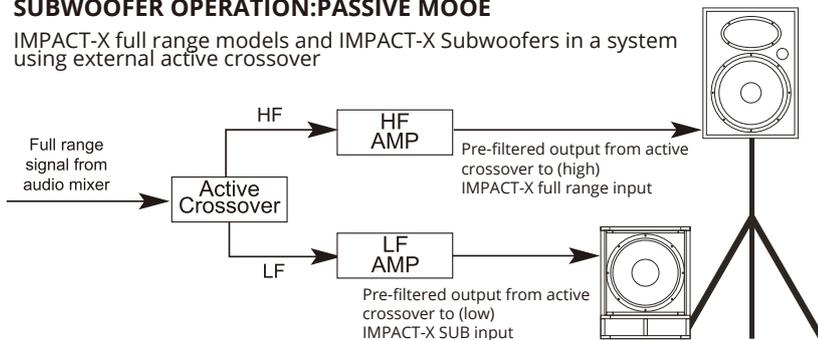
## IMPACT-X15 IMPACT-X15L IMPACT-X215 IMPACT-X215L IMPACT-X FULL RANGE



## IMPACT-X18B IMPACT-X18BL IMPACT-X218B IMPACT-X218BL IMPACT-X FULL RANGE AND SUBWOOFER

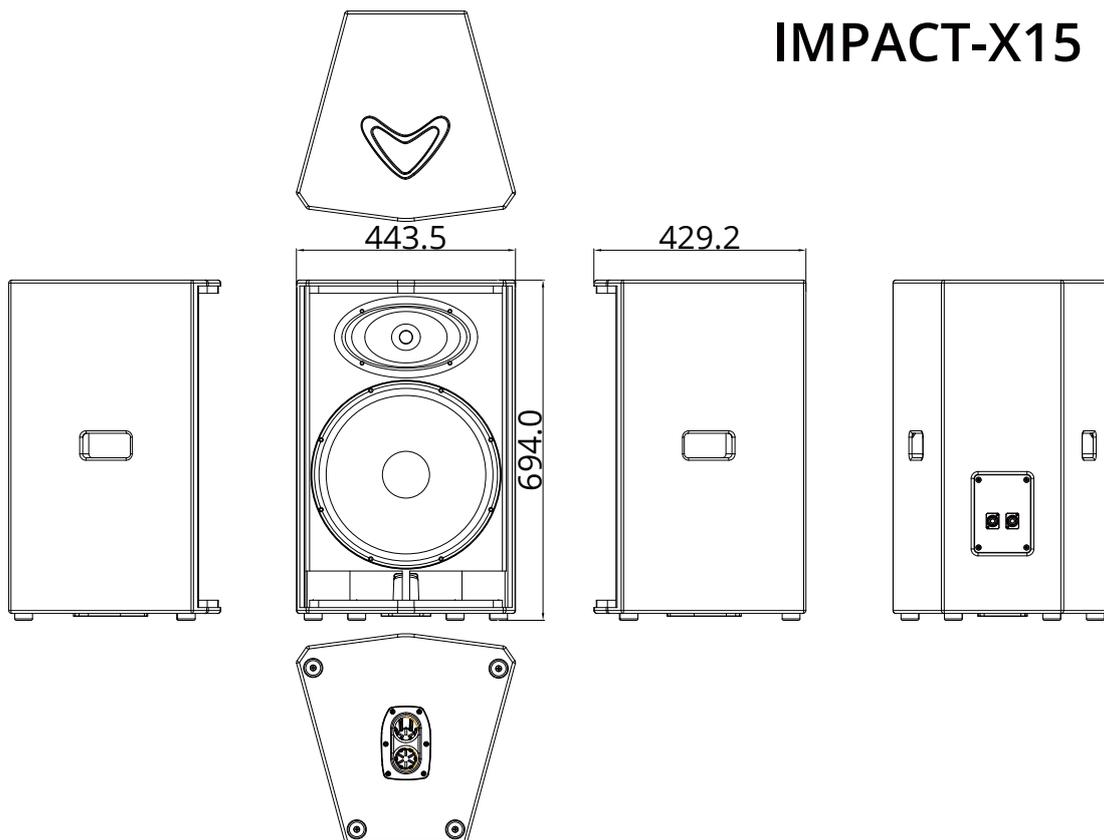
### SUBWOOFER OPERATION: PASSIVE MODE

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

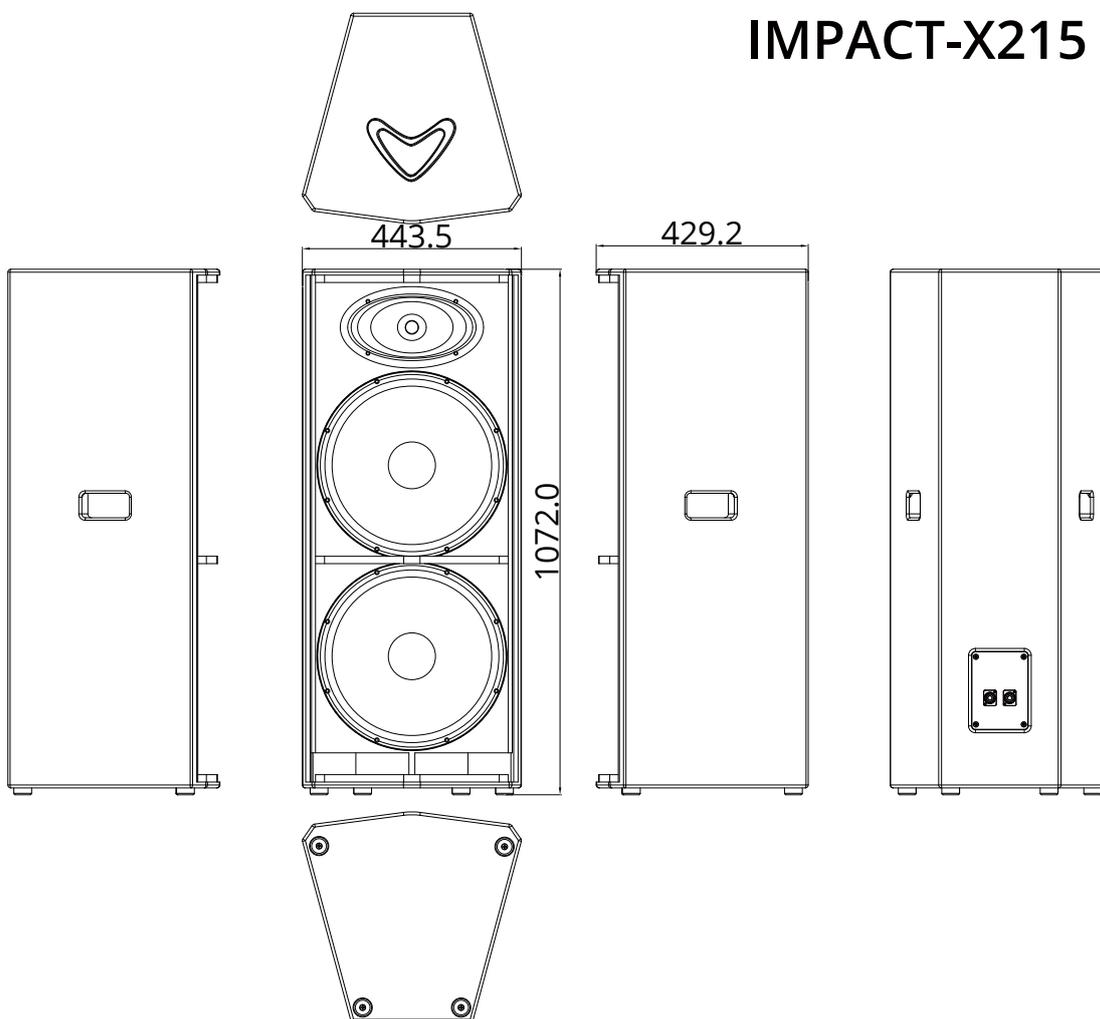


# DIMENSIONAL DRAWINGS

## IMPACT-X15

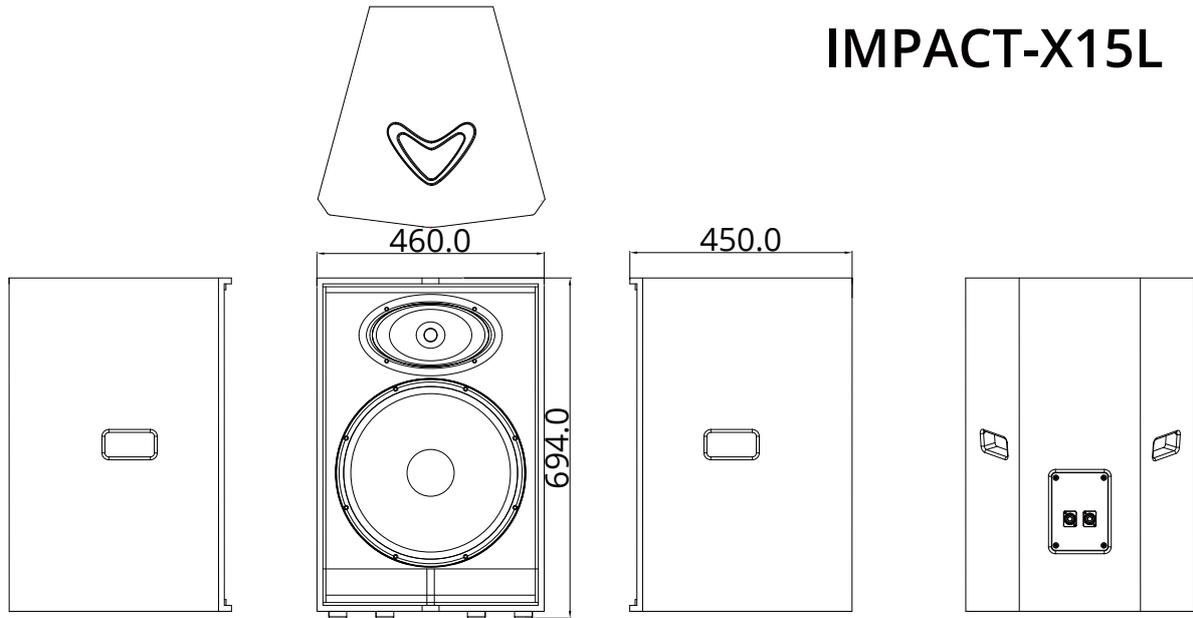


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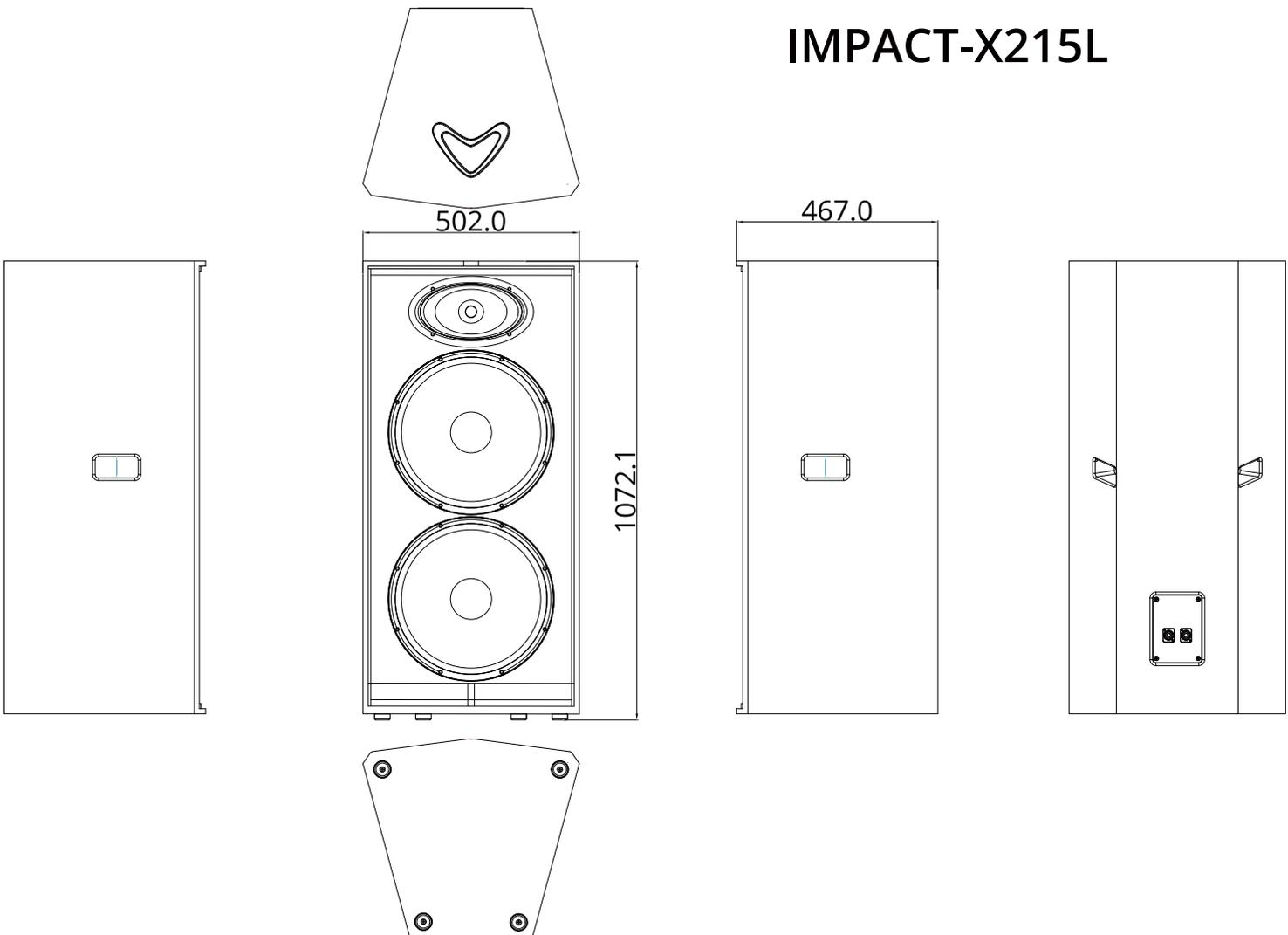


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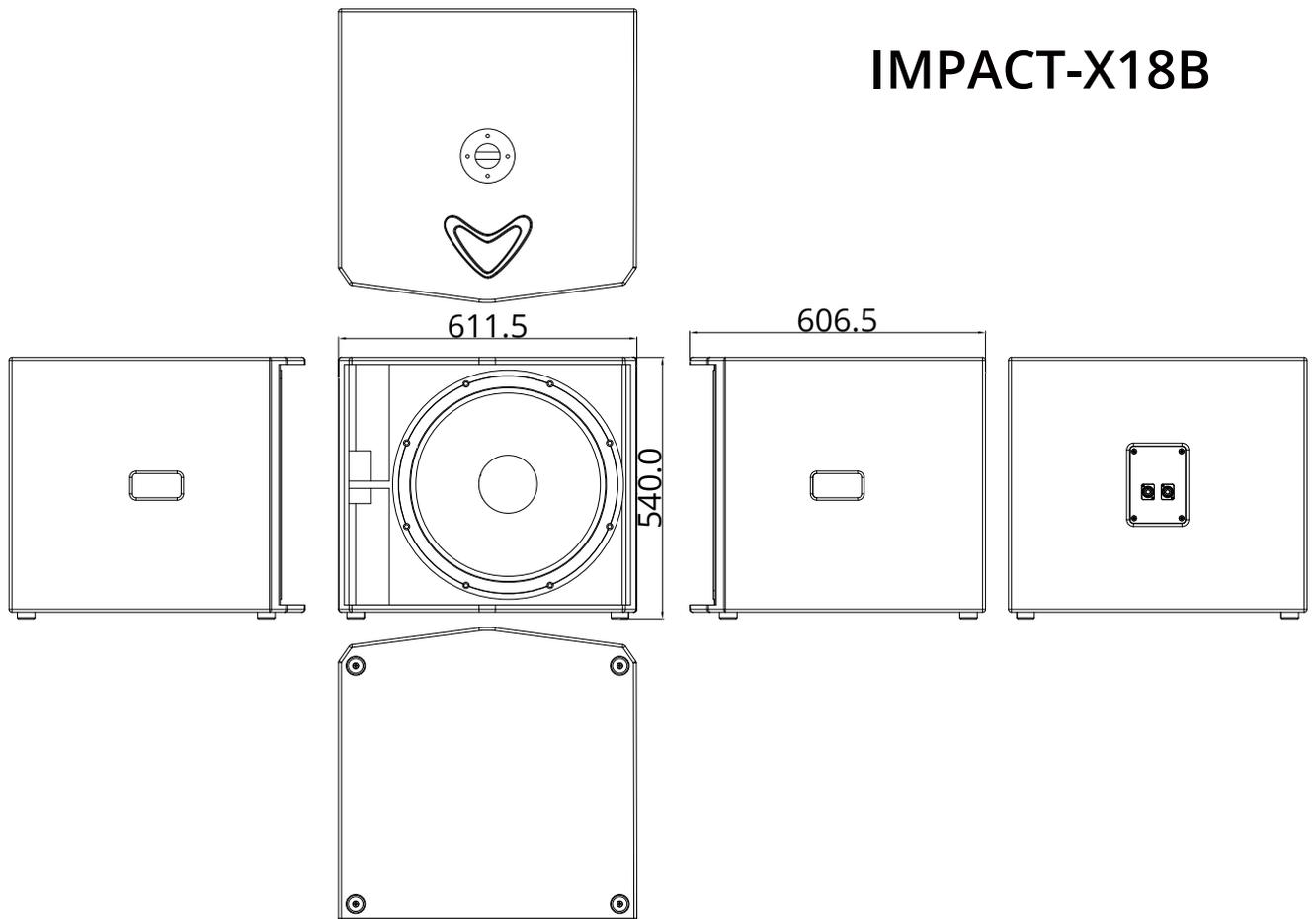
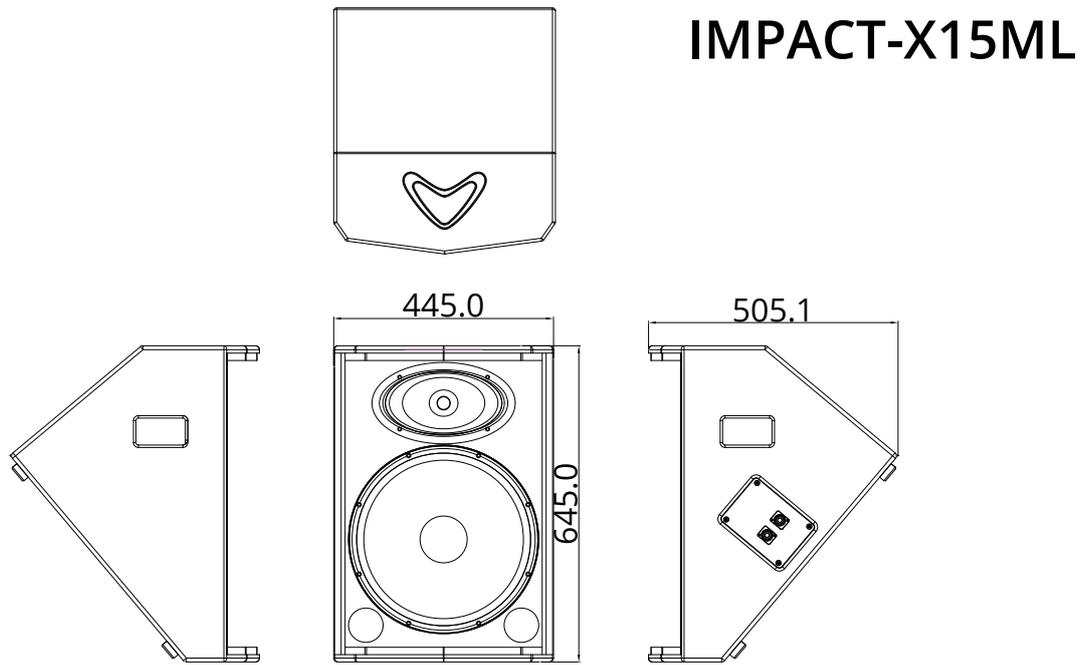
## IMPACT-X15L



## IMPACT-X215L

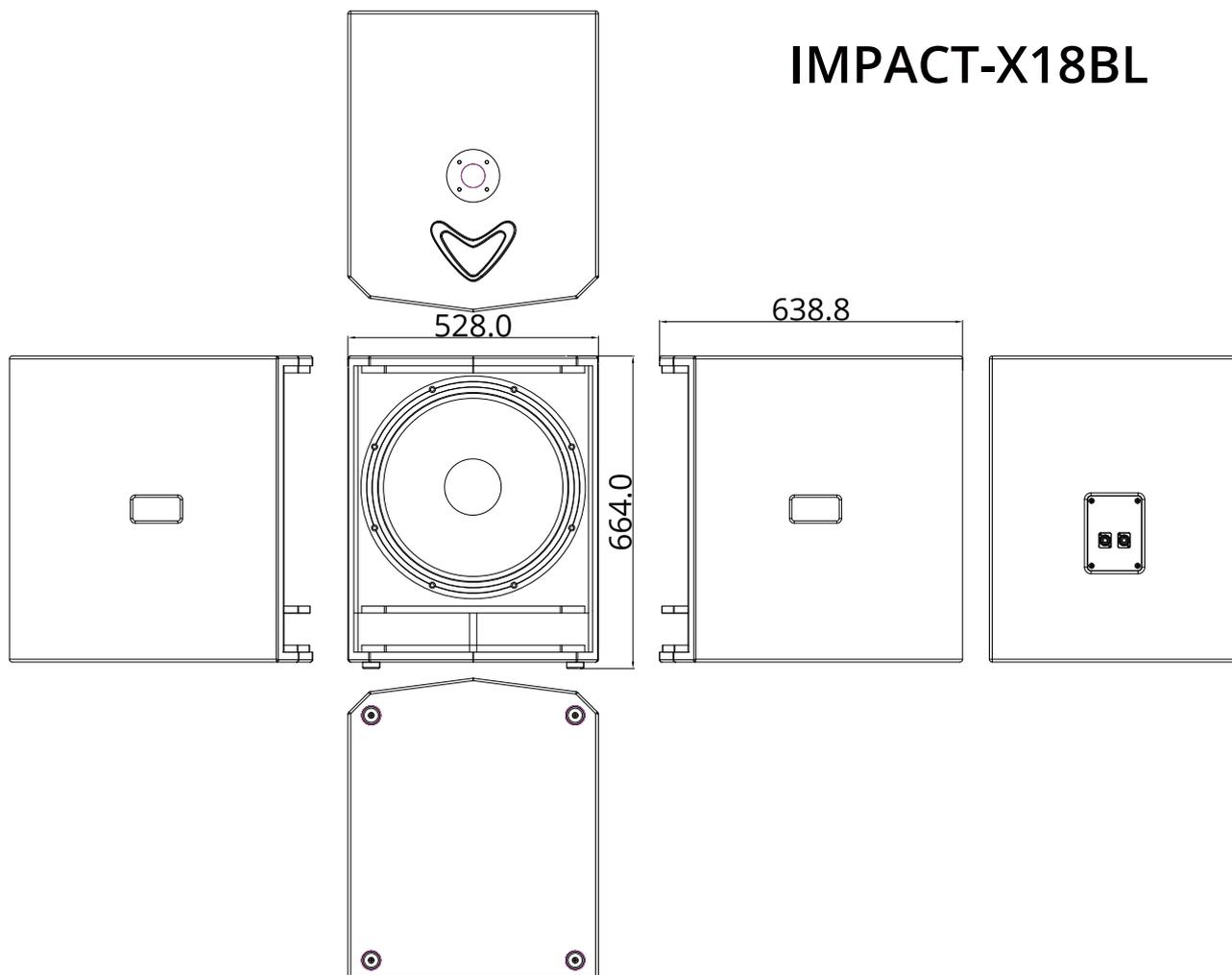


# DIMENSIONAL DRAWINGS



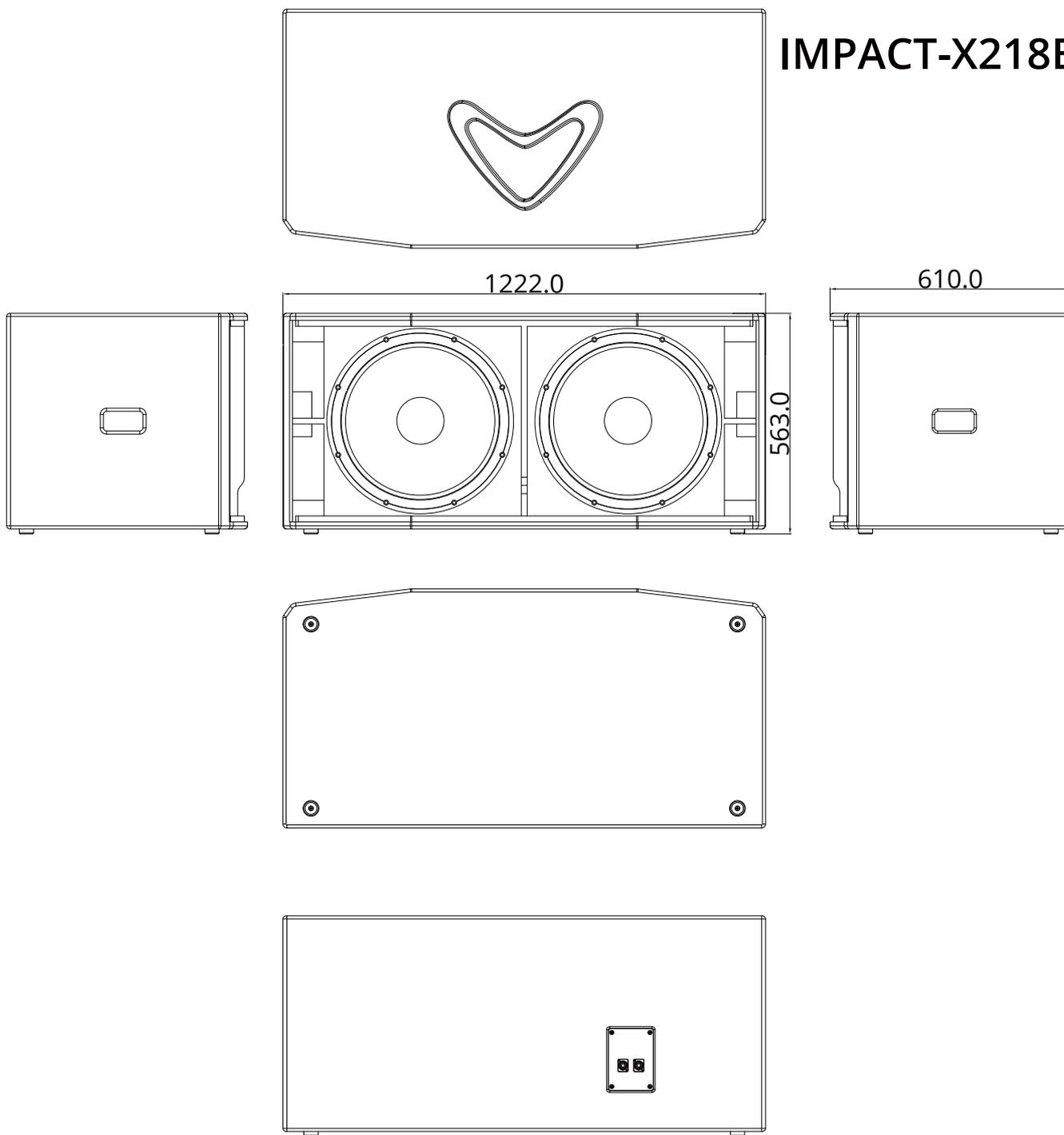
# DIMENSIONAL DRAWINGS

## IMPACT-X18BL



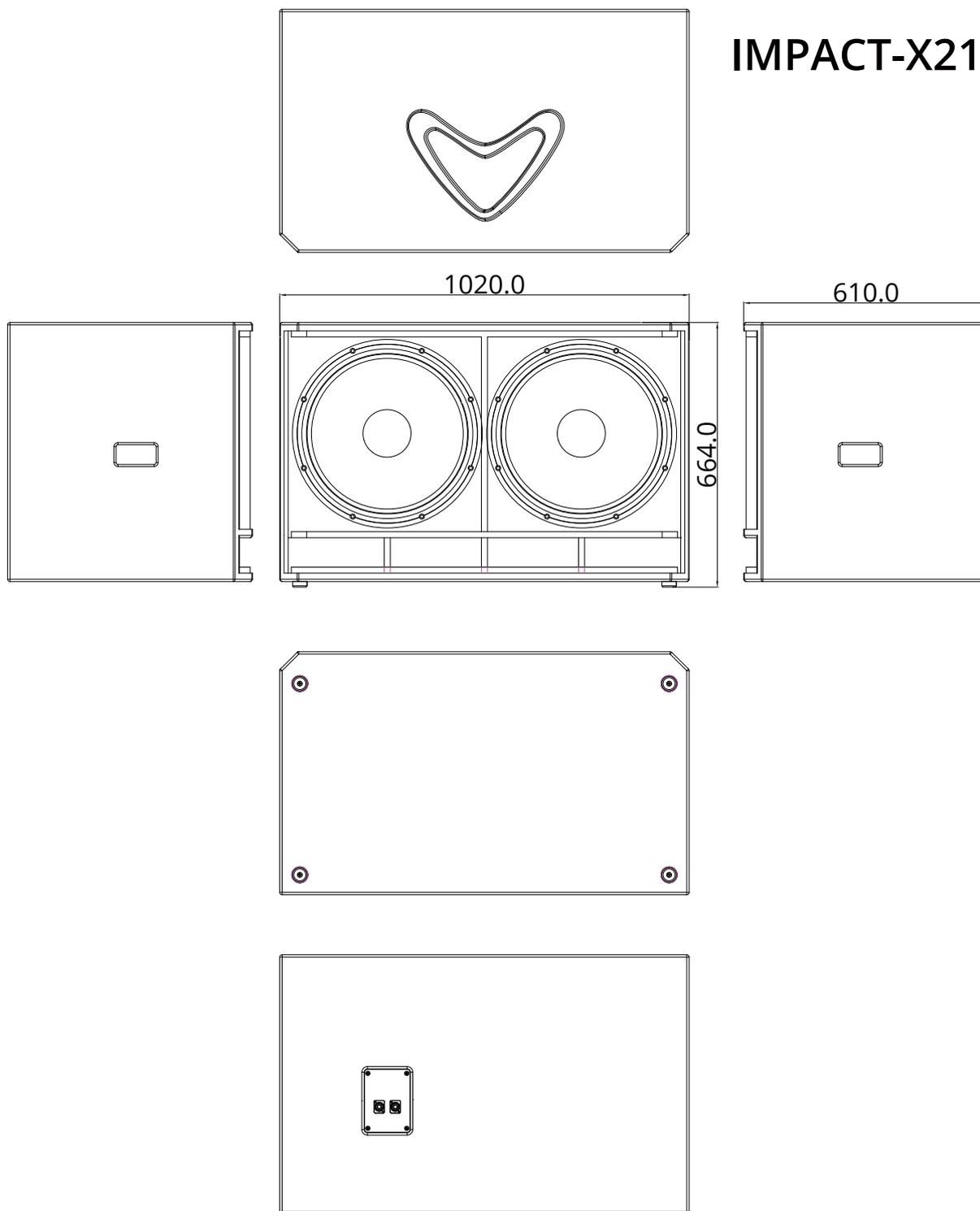
# DIMENSIONAL DRAWINGS

IMPACT-X218B



# DIMENSIONAL DRAWINGS

IMPACT-X218BL



# SPECIFICATIONS

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

# SPECIFICATIONS

Model Name	IMPACT-X215	IMPACT-X215L	IMPACT-X18B
System Type	Passive	Passive	Passive
Configuration	Two-way	Two-way	18" Subwoofer
Frequency Response (+/-3dB)	45-18kHz	45-18kHz	40-220Hz
Frequency Range (-10dB)	40-20kHz	45-20kHz	30-250Hz
Sensitivity (2.83v/1m)	101dB	101dB	100dB
Calculated Maximum SPL @1m	135dB	135dB	133dB
System Rated Impedance	4Ω	4Ω	4Ω
<b>Low Frequency Transducer</b>			
Size	2 x 381mm / 15"	2 x 381mm / 15"	470mm / 18"
Voice Coil Size	65mm / 2.5"	65mm / 2.5"	65mm / 2.5"
Rated Impedance	2x8Ω	2x8Ω	4Ω
LF Power (re:AES2-2012)	2x350W	2x350W	500W
<b>High Frequency Transducer</b>			
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	-
<b>Power</b>			
System Continuous Power	700W	700W	500W
System Programme Power	1400W	1400W	1000W
System Peak Power	2800W	2800W	2000W
Crossover frequency	2.2kHz	2.2kHz	250Hz
Input Connector	2 x NL2 combi jack	2 x NL2 combi jack	2 x NL2 combi jack
Hardware	N/A 2 carry handles	2 carry handles	35mm pole socket 2 carry handles
<b>Enclosure</b>			
Enclosure Material and finish	MDF	MDF	MDF
Colour Options	black paint	black paint	black paint
Grille Material & Finish	steel	steel	steel
<b>Dimensions - Unpacked</b>			
Height	1058mm / 41.7"	1058mm / 41.7"	526mm / 20.71"
Width Front	444.5mm / 17.5"	502mm / 19.8"	611mm / 24.06"
Width Rear	245.3mm / 9.7"	282.5mm / 11.1"	611mm / 23.06"
Depth	429mm / 16.9"	467mm / 18.4"	606.5mm / 23.88"
<b>Dimensions - Packed</b>			
Height	1125mm / 44.3"	1125mm / 44.3"	635mm / 25.0"
Width Front	520mm / 20.5"	577mm / 22.7"	710mm / 27.95"
Width Rear	290mm / 11.4"	327mm / 12.9"	710mm / 27.95"
Depth	496mm / 19.5"	534mm / 21.0"	660mm / 25.98"
<b>Weight</b>			
Net Weight	34.5kg / 75.9lbs	37.1kg / 81.6lbs	34.52kg / 75.9lbs
Gross Weight	38.9kg / 85.6lbs	41.6kg / 91.5lbs	41.2kg / 90.6lbs

# SPECIFICATIONS

Model Name	IMPACT-X18BL	IMPACT-X218B	IMPACT-X218BL
System Type	Passive	Passive	Passive
Configuration	18" Subwoofer	2x18" Subwoofer	2x18" Subwoofer
Frequency Response (+/-3dB)	40-220Hz	35Hz-1.2kHz	35Hz-1.2kHz
Frequency Range (-10dB)	30-250Hz	30Hz-1.5kHz	30Hz-1.5kHz
Sensitivity (2.83v/1m)	100dB	101dB	102dB
Calculated Maximum SPL @1m	134dB	137dB	139dB
System Rated Impedance	4Ω	4Ω	4Ω
<b>Low Frequency Transducer</b>			
Size	470mm / 18"	2 x 470mm / 18"	2 x 470mm / 18"
Voice Coil Size	Quad layer 3.0"	65mm / 2.5"	Quad layer 3.0"
Rated Impedance	4Ω	2x8Ω	2x8Ω
LF Power (re:AES2-2012)	600W	2x500W	2x600W
<b>High Frequency Transducer</b>			
HF Driver Type	-	-	-
Voice Coil Size	-	-	-
Exit Size	-	-	-
Diaphragm Material	-	-	-
Rated Impedance	-	-	-
HF Power (re:AES2-2012)	-	-	-
Nominal Coverage (H x V)	-	-	-
Nominal Impedance	-	-	-
<b>Power</b>			
System Continuous Power	600W	1000W	1200W
System Programme Power	1200W	2000W	2400W
System Peak Power	2400W	4000W	4800W
Crossover frequency	250Hz	-	-
Input Connector	2 x NL2 combi jack	2 x NL2 combi jack	2 x NL2 combi jack
Hardware	35 mm pole socket 2 carry handles	N/A 2 carry handles	N/A 2 carry handles
<b>Enclosure</b>			
Enclosure Material and finish	MDF	18mm MDF	15mm MDF
Colour Options	black paint	black paint	black paint
Grille Material & Finish	steel	steel	steel
<b>Dimensions - Unpacked</b>			
Height	650mm / 25.6"	554mm / 21.81"	650mm / 25.6"
Width Front	528mm / 20.8"	1222mm / 48.11"	1020mm / 40.2"
Width Rear	528mm / 20.8"	1222mm / 48.11"	1020mm / 40.2"
Depth	639mm / 25.2"	606.5mm / 23.88"	610mm / 24.0"
<b>Dimensions - Packed</b>			
Height	740mm / 29.1"	628mm / 24.72"	728mm / 28.7"
Width Front	725mm / 28.5"	1295mm / 50.98"	1092mm / 43.0"
Width Rear	725mm / 28.5"	1295mm / 50.98"	1092mm / 43.0"
Depth	614mm / 24.2"	685mm / 26.97"	685mm / 27.0"
<b>Weight</b>			
Net Weight	40.0kg / 88.0lbs	78.9kg / 173.58lbs	67.3kg / 148.06lbs
Gross Weight	44.2kg / 97.3lbs	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 one year 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](http://www.wharfedalepro.com)). These terms do not infringe your statutory rights.



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