

Powered Subwoofers DXS Series

DXS12 DXS15 DXS18



SERIOUS. BASS. PERFORMANCE.

Prepare to make a lasting impression on your audience with the addition of DXS Series high-output, powered subwoofers to your sound reinforcement system. Featuring high-efficiency Class-D amplifiers and a customized woofer housed in a sturdy enclosure with a band-pass construction, DXS subwoofers are able to deliver up to 1020W of raw power with minimal distortion and superb clarity. Each of the three models that make up the series—the compact DXS12 and DXS15, as well as the new, high output DXS18—comes equipped with Yamaha state-of-the-art DSP processing, protection functions, and flexible crossover control, ensuring versatile management of your bottom end and seamless compatibility with Yamaha's entire lineup of full-range powered speakers. DXS Series powered subwoofers offer a new level of flexibility, reliability, and power for engineers, artists and audiences that are serious about their bass.



DXR12 on DXS18

High-Efficiency 1020W Class-D Amplifiers

The DXS's high performance Class-D amplifier is capable of producing up to 1020W* of power, realizing an SPL of 136dB, delivered with exceptional clarity and accuracy.

*DXS12 and DXS15 deliver 950W power.



Custom Designed Transducer

The high-output woofer features a 4" voice coil magnet and delivers powerful, well-defined, low-frequency bass with minimal distortion.

*DXS12 and DXS15 feature 2.5" voice coil magnets.



Durable Wooden Enclosures with LINE-X® Coating

The exteriors feature a LINE-X® coating with extremely high damage resistance to protect the cabinet from scratches and wear, maintaining a professional appearance that can withstand many years of usage.



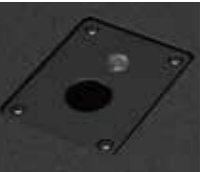
Band-Pass Type Enclosure

The DXS Series has a band-pass design that produces extremely high SPL by drastically reducing the distortion.



Dual pole socket

For additional flexibility configuring your speakers, the DXS18 comes equipped with a dual pole socket that accommodates 35mm diameter speaker poles and M20 screws.

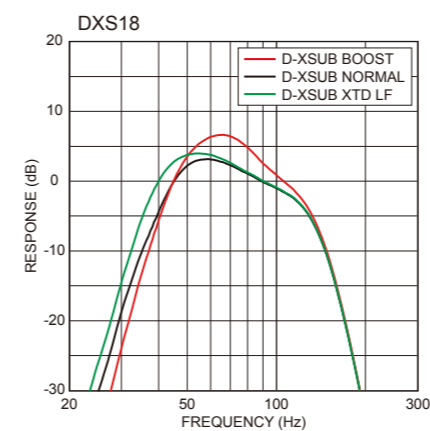


*Only for DXS18

Ultimate Bass control

D-XSUB Bass Processing

Powerful D-XSUB processing gives you total control of your low frequency. NORMAL mode gives you the ideally balanced low-frequency response, while BOOST mode provides a more tight and focused bass. XTENDED LF mode drops the low-end frequencies down even further for thunderous bottom end that delivers. Take your full-range system to the next level with the power and versatility of DXS Series active subwoofers.

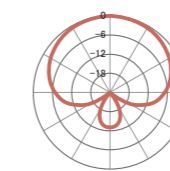


Cardioid Mode

Because low frequencies can be omnidirectional, controlling the output directivity of a system's bottom end can be a challenge, with the sound pressure hitting the stage often being equal to that of its intended FOH audience. For setups consisting of two or more DXS18 subwoofers, selecting the newly developed Cardioid Mode function effectively decreases stage-side sound pressure while increasing the bottom-end output directed towards the audience, resulting in a clearer stage monitoring environment and a more pronounced bass experience out front.

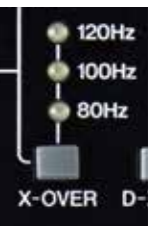
*Only for DXS18

DXS18 - Cardioid Mode
Horizontal Polar
Pattern @ 50Hz



Selectable X-OVER (80/100/120Hz)

Crossover switching allows users to seamlessly match DXS subwoofers with any of Yamaha's full-range powered speakers by selecting the cutoff frequency best suited to the models in their speaker array (up to 120Hz).



Optional Wheel kit

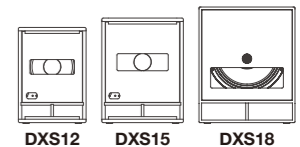
For more fast and convenient setup of your DXS18 subwoofers, optional wheels are available, featuring radial ball bearings that ensure quiet during your performance.

*Only for DXS18 (SPW-1)



	Power Rating ^{*1}	Maximum SPL ^{*2}	Frequency Range	LF
DXS12	950W	131dB SPL	47Hz-160kHz	12" cone
DXS15	950W	132dB SPL	45Hz-160kHz	15" cone
DXS18	1020W	136dB SPL	32Hz-120kHz	18" cone

*1 Dynamic Power *2 Measured Maximum SPL (peak)



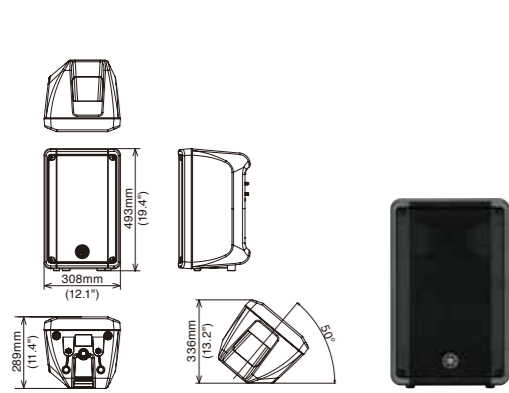
DXS12 DXS15 DXS18

DBR Series

10" 2-way Powered Loudspeaker

DBR10

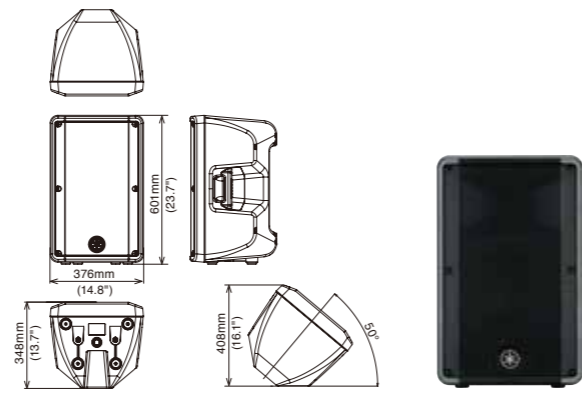
The DBR10 is the most compact model in the lineup and in its class. Capable of delivering a maximum SPL of 129dB from its compact enclosure, the DBR10 can be used as a utility speaker in a variety of environments.



12" 2-way Powered Loudspeaker

DBR12

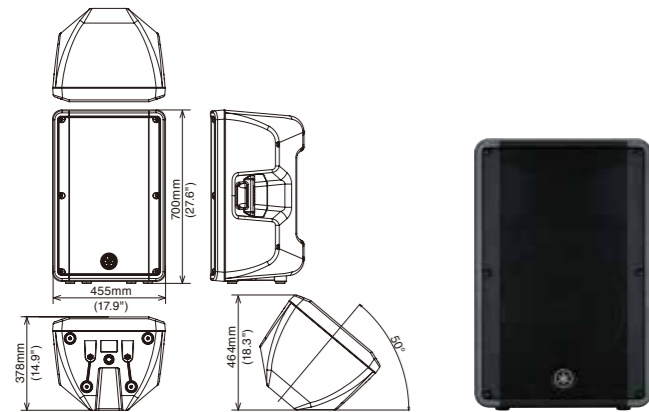
The DBR12 represents a perfect balance of size and performance, with 1000W of power and outstanding resolution at any output level. Ideal for front-of-house, floor monitoring applications or even the stage side fills, the DBR12 is an ideal choice for a wide range of applications.



15" 2-way Powered Loudspeaker

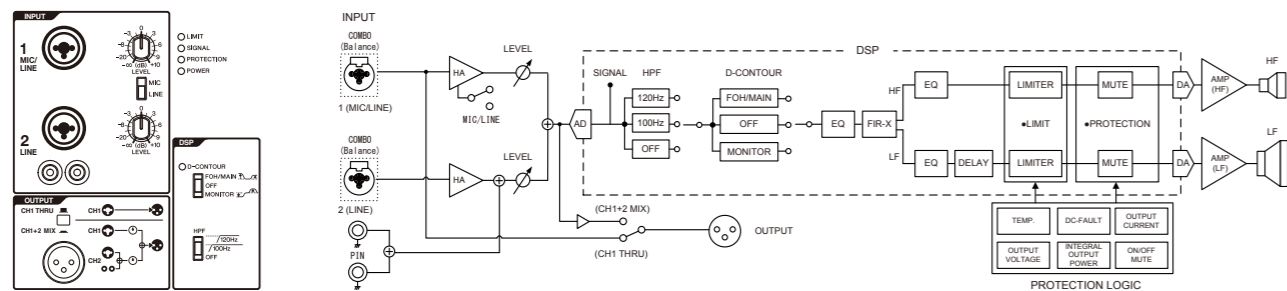
DBR15

The DBR15 achieves best-in-class SPL of up to 132dB and delivers the lowest frequency in its lineup. The DBR15 delivers outstanding performance for the main front-of-house sound for the live performance or DJ events that require highly prominent low and more power.



Rear Panels & Block Diagrams

DBR Series

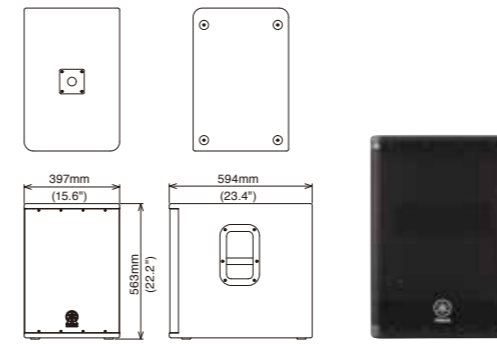


DXS Series

12" Powered Subwoofer

DXS12

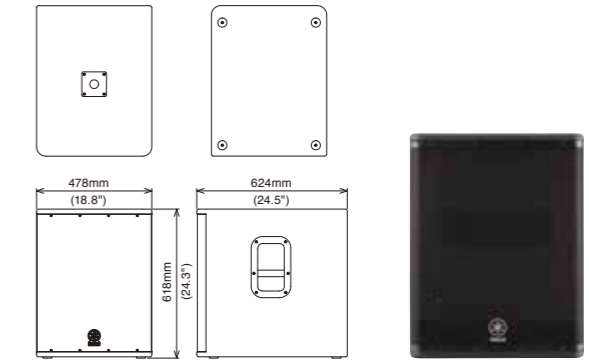
The DXS12 is an extremely compact and powerful subwoofer equipped with a high-efficiency 950W Class-D amplifier and a 12" high-output woofer housed in an acoustically optimized band-pass enclosure. Try out our powerful D-XSUB low frequency processing for low-end you would never expect from a compact 12" subwoofer.



15" Powered Subwoofer

DXS15

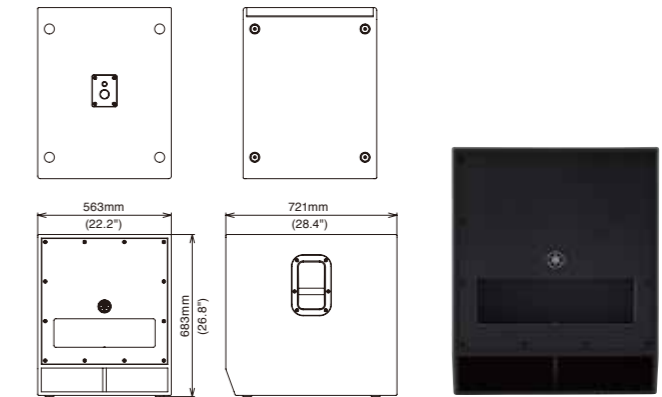
The all-new DXS15 subwoofer delivers powerful yet focused low end reaching as low as 42Hz. The DXS's fully optimized band-pass design combines with its powerful Class-D amplifier, long-travel 15" woofer, and formidable DSP to deliver a tight, impressive bass with outstanding depth and high power output.



18" Powered Subwoofer

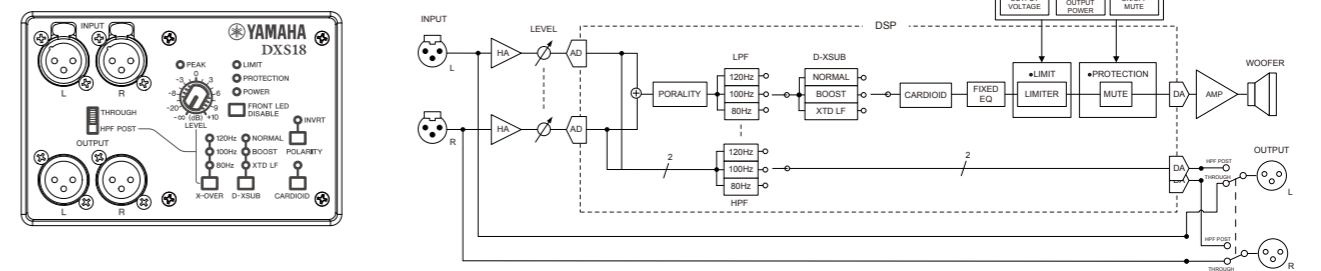
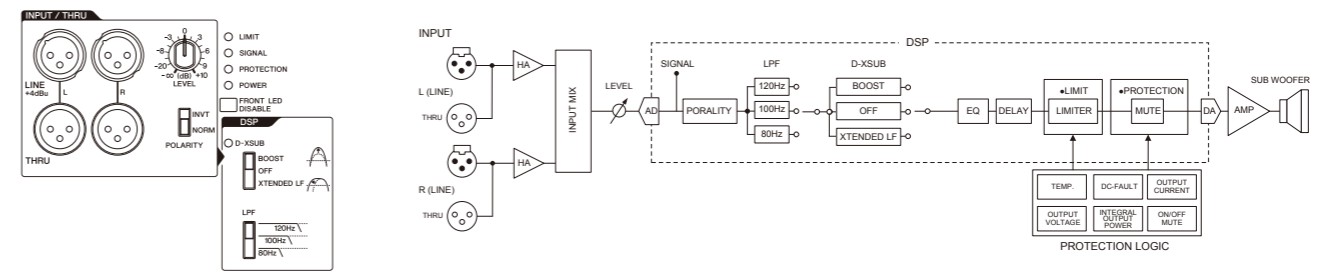
DXS18

The new DXS18 achieves best in class SPL of up to 136dB and delivers the lowest frequency 32Hz in the lineup. Equipped with a band-pass type enclosure and high power handling 4-inch voice coil magnet that drives the 18-inch woofer, the Class-D amplifier delivers 1020W of power with exceptional clarity and accuracy.



Rear Panels & Block Diagrams

DXS Series



Specifications

DSR Series



DSR112

DSR115

DSR215

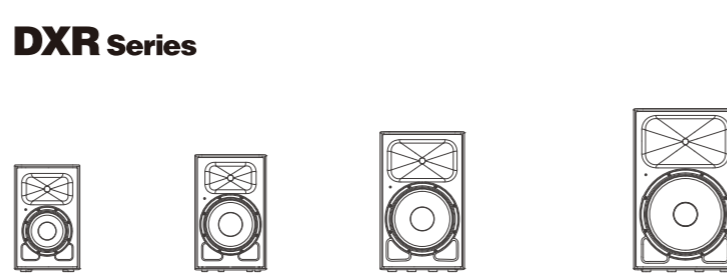
General			
System Type	2-way, Bi-amp powered speaker, Bass-reflex type		
Frequency Range (-10dB)	55Hz - 20kHz	45Hz - 20kHz	45Hz - 20kHz
Coverage Angle	H90° x V60° constant directivity horn		
Crossover Type	FIR-X tuning™ (Linear phase FIR filter)		
Crossover Frequency	1.7kHz		
Measured Maximum SPL (peak)	134dB SPL	136dB SPL	138dB SPL
IEC noise@1m			

Transducer				
LF	Diameter	12" cone	15" cone	2 x 15" cone
	Voice Coil	3"		
	Magnet	Neodymium		Ferrite
HF	Diaphragm	2"		
	Type	1" throat compression driver		
	Magnet	Neodymium		

Enclosure			
Material, Finish, Color	Wood, LINE-X®, Black		
Floor Monitor Angle	50°	-	-
Dimensions (W x H x D, with rubber feet)	370 x 638 x 368mm (14.6" x 25.1" x 14.5")	442 x 755 x 423mm (17.4" x 29.7" x 16.7")	467 x 1158 x 520mm (18.4" x 45.6" x 20.5")
Net Weight	21.2kg (47lbs)	28.0kg (62lbs)	49.8kg (110lbs)
Handles	Top x 1	Side x 2	
Pole Socket	35mm (Bottom x 1)		-
Rigging Points	Top x 2, Rear x 1 (Fits for M10 x 18mm eyebolts)		-
Optional Speaker Bracket	-		

Amplifier		
Amplifier Type	Class-D	
Power Rating*1	Dynamic 1500W (LF: 1020W, HF: 480W)	
	Continuous 1300W (LF: 850W, HF: 450W)	
Cooling	Natural convection	
HPF/LPF	OFF, 120Hz 24dB/oct HPF	
DSP preset	D-CONTOUR (Dynamic CONTOUR)	
Protection	Speaker Clip limiting, Integral Power Protection, DC-fault	
	Amplifier Thermal, Output over current	
	Power Supply Thermal, Output over voltage, Output over current	
Connectors	Input XLR-3-31 x 1 TRS Phone Jack x 1	
	Output XLR-3-32 x 1 Parallel with INPUT	
Input Impedance	INPUT1: LINE: 12kΩ, MIC: 8kΩ	
Input Sensitivity (LEVEL: Maximum)	INPUT1: LINE: 0 dBu, MIC: -25 dBu	
Input Sensitivity (LEVEL: Center)	INPUT1: LINE: +7 dBu, MIC: -18 dBu	
Maximum Input Level	INPUT1: LINE: +24 dBu, MIC: -11 dBu	
Controls	LEVEL, LINE/MIC, HPF, D-CONTOUR, FRONT LED DISABLE, POWER	
Idle Power Consumption	30W	
1/8 Power Consumption	100W	140W
Power Requirements	100V - 240V, 50Hz/60Hz	

DXR Series



DXR8

DXR10

DXR12

DXR15

General				
System Type	2-way, Bi-amp powered speaker, Bass-reflex type			
Frequency Range (-10dB)	57Hz - 20kHz	56Hz - 20kHz	52Hz - 20kHz	49Hz - 20kHz
Coverage Angle	H90° x V60° constant directivity horn			
Crossover Type	FIR-X tuning™ (Linear phase FIR filter)			
Crossover Frequency	2.4kHz	2.3kHz	2.1kHz	2.1kHz
Measured Maximum SPL (peak)	129dB SPL	131dB SPL	132dB SPL	133dB SPL
IEC noise@1m				

Transducer					
LF	Diameter	8" cone	10" cone	12" cone	15" cone
	Voice Coil	2"			2.5"
	Magnet	Ferrite			
HF	Diaphragm	1.4"			
	Type	1" throat compression driver			
	Magnet	Ferrite			

Enclosure				
Material, Finish, Color	ABS, Matte black			
Floor Monitor Angle	-	50°	50° Symmetrical	50° Symmetrical
Dimensions (W x H x D, with rubber feet)	280 x 458 x 280 mm (11.0" x 18.0" x 11.0")	305 x 502 x 310 mm (12.0" x 19.7" x 12.2")	362 x 601 x 350 mm (14.2" x 23.6" x 13.7")	445 x 700 x 380 mm (17.5" x 27.5" x 15.0")
Net Weight	13.5kg (29.8lbs)	14.6kg (32.2lbs)	19.3kg (42.5lbs)	22.5kg (49.6lbs)
Handles	Top x 1	Side x 2		
Pole Socket	35mm with 2-way feature (0 or 7 degrees)			
Rigging Points	Top x 2, Rear x 1 (Fits for M8 x 15mm eyebolts)		Top x 2, Rear x 1 (Fits for M10 x 18mm eyebolts)	
Optional Speaker Bracket	UB-DXR8	UB-DXR10	UB-DXR12	UB-DXR15

Amplifier		
Amplifier Type	Class-D	
Power Rating*1	1100W (LF: 950W, HF: 150W)	
	700W (LF: 600W, HF: 100W)	
Cooling	Fan cooling, 4 speeds	
HPF/LPF	OFF, 100, 120Hz 24dB/oct HPF	
DSP preset	D-CONTOUR: FOH/MAIN, MONITOR, OFF	
Protection	Speaker Clip limiting, Integral Power Protection, DC-fault	
	Amplifier Thermal, Output over current	
	Power Supply Thermal, Output over voltage, Output over current	
Connectors	INPUT1: XLR3-31 x 1, INPUT2: Phone x 2, INPUT3: RCA PIN x 2	
	THRU: XLR3-32 x 1 (Parallel with INPUT1), LINK OUT: XLR3-32 x 1	
Input Impedance	INPUT1: LINE: 12kΩ, MIC: 8kΩ INPUT2, 3: L, R: 40kΩ, MONO: 20kΩ	
Input Sensitivity (LEVEL: Maximum)	INPUT1: LINE: +1 dBu, MIC: -32 dBu INPUT2, 3: -13 dBu	
Input Sensitivity (LEVEL: Center)	INPUT1: LINE: +11 dBu, MIC: -22 dBu INPUT2, 3: -3 dBu	
Maximum Input Level	INPUT1: LINE: +24 dBu, MIC: +20 dBu INPUT2, 3: +16 dBu	
Controls	LEVEL x 3, LINE/MIC, HPF, D-CONTOUR, FRONT LED DISABLE, LINK MODE, POWER	
Idle Power Consumption	35W	
1/8 Power Consumption	90W	110W
Power Requirements	100V - 240V, 50Hz/60Hz	

DBR Series



DBR10

DBR12

DBR15

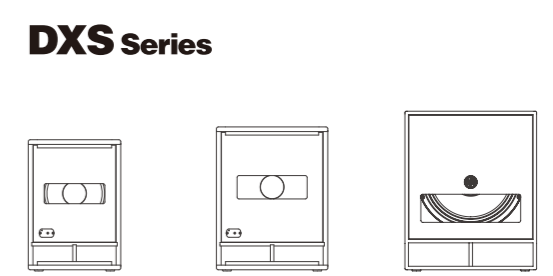
General			
System Type	2-way, Bi-amp powered speaker, Bass-reflex type		
Frequency Range (-10dB)	55Hz - 20kHz	52Hz - 20kHz	50Hz - 20kHz
Coverage Angle	H90° x V60° constant directivity horn		
Crossover Type	FIR-X tuning™ (Linear phase FIR filter)		
Crossover Frequency	2.1kHz	2.1kHz	2.1kHz
Measured Maximum SPL (peak)	129dB SPL	131dB SPL	132dB SPL
IEC noise@1m			

Transducer				
LF	Diameter	10" cone	12" cone	15" cone
	Voice Coil	2"		2.5"
	Magnet	Ferrite		
HF	Diaphragm	1"		1.4"
	Type	1" throat compression driver		
	Magnet	Ferrite		

Enclosure			
Material, Finish, Color	Plastic, Black		
Floor Monitor Angle	50°	50° Symmetrical	50° Symmetrical
Dimensions (W x H x D, with rubber feet)	308 x 493 x 289 mm (12.1" x 19.4" x 11.4")	376 x 601 x 348 mm (14.8" x 23.7" x 13.7")	455 x 700 x 378 mm (17.9" x 27.6" x 14.9")
Net Weight	10.5 kg (23.2 lbs)	15.8 kg (34.8 lbs)	19.3 kg (42.6 lbs)
Handles	Top x 1	Side x 2	
Pole Socket	35mm (Bottom x 1)		
Rigging Points	Bottom x 2 (Fit for M8 x 15 mm eyebolts)	Bottom x 2, Rear x 1 (Fit for M8 x 15 mm eyebolts)	
Optional Speaker Bracket	BBS251, BCS251, BWS251-300, BWS251-400		

Amplifier		
Amplifier Type	Class-D	
Power Rating*1	700 W (LF: 500 W, HF: 200 W)	
	325 W (LF: 260 W, HF: 65 W)	
Power Rating*1	1000 W (LF: 800 W, HF: 200 W)	
	465 W (LF: 400 W, HF: 65 W)	
Cooling	Fan cooling, 4 speeds	
HPF/LPF	OFF, 100, 120Hz 24dB/oct HPF	
DSP preset	D-CONTOUR: FOH/MAIN, MONITOR, OFF	
Protection	Speaker Clip limiting, Integral Power Protection, DC-fault	
	Amplifier Thermal, Output over current	
	Power Supply Thermal, Output over voltage, Output over current	
Connectors	INPUT1: Combo x1 INPUT2: Combo x 1 + RCA-pin x 2 (Unbalanced) XLR3-32 x 1 (CH1 Parallel Through or CH1+CH2 Mix)	
Input Impedance	INPUT1 (XLR, TRS Phone) : 3kΩ INPUT2 (XLR, TRS Phone, RCA Pin) : 10kΩ	
Input Sensitivity (LEVEL: Maximum)	INPUT1 : LINE: 0 dBu, MIC: -32 dBu INPUT2 : 0 dBu	
Input Sensitivity (LEVEL: Center)	INPUT1 : LINE: +10 dBu, MIC: -22 dBu INPUT2: +10 dBu	
Maximum Input Level	INPUT1 : LINE: +24 dBu, MIC: -8 dBu INPUT2 : +24 dBu	
Controls	LEVEL x2, LINE/MIC, HPF, D-CONTOUR, THRU/MIX, POWER	
Idle Power Consumption	18W	
1/8 Power Consumption	60W	74W
Power Requirements	100 V, 100-120V, 220-240 V, 110/127/220V (Brazil), 50/60Hz	

DXS Series



DXS12

DXS15

DXS18

General			
System Type	Powered subwoofer, Band-pass type		
Frequency Range (-10dB)	47Hz - 160Hz	45Hz - 160Hz	32Hz - 120Hz
Coverage Angle	-		
Crossover Type	-		
Crossover Frequency	-		
Measured Maximum SPL (peak)	131dB SPL	132dB SPL	136dB SPL
IEC noise@1m			

Transducer				
LF	Diameter	12" cone	15" cone	18" cone
	Voice Coil	2.5"		4"
	Magnet	Ferrite		
HF	Diaphragm	-		
	Type	-		
	Magnet	-		

Enclosure			
Material, Finish, Color	Wood, LINE-X®, Black	Plywood, LINE-X®, Black	
Floor Monitor Angle	-		
Dimensions (W x H x D, with rubber feet)	397 x 563 x 594 mm (15.6" x 22.2" x 23.4")	478 x 618 x 624 mm (18.8" x 24.3" x 24.5")	563 x 683 x 721 mm (22.2" x 26.8" x 28.4")
Net Weight	33.0kg (72.8lbs)	38.0kg (83.8lbs)	49.7kg (110lbs)
Handles	Side x 2		
Pole Socket	35mm (Top x 1)		35 mm (depth 80 mm) & M20 (threaded depth 25 mm)
Rigging Points	-		
Optional Speaker Bracket	-		

Amplifier		
Amplifier Type	Class-D	
Power Rating*1	950W	
	600W	
Power Rating*1	1020W	
	800W	
Cooling	Fan cooling, 4 speeds	
HPF/LPF	80, 100, 120Hz 24dB/oct LPF	
DSP preset	D-XSUB: BOOST, XTENDED-LF, OFF	
Protection	Speaker Clip limiting, Integral Power Protection, DC-fault	
	Amplifier Thermal, Output over current	
	Power Supply Thermal, Output over voltage, Output over current	
Connectors	INPUT: XLR3-31 x 2	
	THRU: XLR3-32 x 2 (Parallel with INPUT)	
Input Impedance	INPUT1: 10kΩ	
Input Sensitivity (LEVEL: Maximum)	INPUT1: +1 dBu	
Input Sensitivity (LEVEL: Center)	INPUT1: +11 dBu	
Maximum Input Level	INPUT1: +24 dBu	
Controls	LEVEL, POLARITY, LPF, D-XSUB, FRONT LED DISABLE, POWER	
Idle Power Consumption	35W	
1/8 Power Consumption	120W	100W
Power Requirements	100V - 240V, 50Hz/60Hz	

0dBu is referenced to 0.775Vrms.
*1 Power rating (120V, 25°C). This is total value of individual output power.