

## THE SOUND OF A GREAT SHOW

Celestion compression drivers and LF drivers are designed and engineered for high performance and reliability in a range of professional sound reinforcement applications. Use these charts to locate the driver that matches your cabinet design.

### LOW FREQUENCY PRODUCT APPLICATION GUIDE

#### FULL RANGE/SATELLITES

Driver Diameter	Compact Box Reflex	Large Box Reflex	Closed Box	Dedicated Mid Range																																																																																																																																
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# COMPRESSION DRIVERS

Exit Size	Bolt-on									Screw on						
1"	CDX1-1425			CDX1-1430			CDX1-1730			CDX1-1446						
	1" NEO	25W AES	1.4" COIL	108dB	1" NEO	50W AES	1.4" COIL	108dB	1" NEO	75W AES	1.75" COIL	110dB	1" FERRITE	20W AES	1.4" COIL	106dB
	CDX1-1445			CDX1-1720			CDX1-1745			CDX1-1731						
	1" FERRITE	20W AES	1.4" COIL	106dB	1" NEO	50W AES	1.75" COIL	107dB	1" FERRITE	20W AES	1.75" COIL	110dB	CDX1-1746			
									1" FERRITE	75W AES	1.75" COIL	110dB				
1.4"	CDX14-2420			CDX14-3050			CDX14-3060									
	1.4" NEO	70W AES	2.4" COIL	106.5dB	1.4" NEO	75W AES	3" COIL	106.5dB	1.4" FERRITE	75W AES	3" COIL	106.5dB				
2"	CDX20-3000															
	2" NEO	75W AES	3" COIL	107dB												

## Choosing the right LF speaker

- Identify application type
- Select correct driver size
- Pick appropriate power handling
- Closely match sensitivity (dB) and Xmax values
- Ensure PCD (hole positions) match enclosure, see table

## Low frequency driver fixing dimensions

Size	Chassis Type	Dimensions (PCD)	Baffle Hole Size
21"	Aluminium	520-528mm / 20.5-20.8in	492mm / 19.37in
18"	Aluminium	432-440mm / 17.0-17.32in	416mm / 16.38in
15"	Aluminium	367-373mm / 14.44-14.68in	351mm / 13.82in
12"	Aluminium	298-304mm / 11.7-12.0in	286mm / 11.26in
10"	Aluminium	244-247mm / 9.6-9.7in	232mm / 9.13in
8"	Aluminium	210mm / 8.3in	187mm / 7.4in
6.5"	Aluminium	173.5mm / 6.83in	150mm / 5.9in
15"	Steel	369mm / 14.53in	352mm / 13.86in
12"	Steel	297mm / 11.69in	283mm / 11.14in
10"	Steel	245mm / 9.65in	229mm / 9.02in
8"	Steel	196mm / 7.72in	183mm / 7.2in
6"	Steel	168.5mm / 6.63in	147mm / 5.79in
5"	Steel	140mm / 5.51in	117mm / 4.61in
4"	Steel	109mm / 4.3in	95mm / 3.7in

## SUBWOOFER

Driver Diameter



6.5"	NTR06-1705D		NTR06-1705D		NTR06-1705D		NTR06-1705D	
	6.5" NEO	150W AES	1.75" COIL	90dB	6.5" NEO	150W AES	1.75" COIL	90dB
8"	NTR08-2011D		TN0820		TN0820		NTR08-2011D	
	8" NEO	200W AES	2" COIL	92dB	8" NEO	150W AES	2" COIL	94dB
10"	NTR10-2520D		NTR10-2520D		NTR10-2520D		NTR10-2520D	
	10" NEO	250W AES	2.5" COIL	96dB	10" NEO	250W AES	2.5" COIL	96dB
12"	FTR12-4080HDX		TF1225e		FTR12-4080HDX		FTR12-4080HDX	
	12" FERRITE	1000W AES	4" COIL	93dB	12" FERRITE	300W AES	2.5" COIL	96dB
15"	FTR15-4080HDX		TF1525e		NTR15-3018E		FTR15-4080HDX	
	15" FERRITE	1000W AES	4" COIL	96dB	15" FERRITE	300W AES	2.5" COIL	97dB
18"	CF18VJD		CF18VJD		CF18VJD		CF18VJD	
	18" FERRITE	1600W AES	5" COIL	97dB	18" FERRITE	1600W AES	5" COIL	97dB
21"	NTR21-5010JD		NTR21-5010JD		NTR21-5010JD		NTR21-5010JD	
	21" NEO	1600W AES	5" COIL	98dB	21" NEO	1600W AES	5" COIL	98dB

## A word about power

There are various ways of measuring the power of a loudspeaker – some more flattering than others. Celestion uses the AES standard because it's scientific and reliable. While there is no consistent correlation between AES, EIA and Music Program Power, the scale below provides a rough guide to compare how an individual speaker might rate using each measurement method.

EIA Standard Power	AES Standard Power	Music Program Power
1500W	1000W	2000W
1400W	900W	1800W
1300W	800W	1700W
1200W	800W	1600W
1100W	700W	1500W
1000W	700W	1400W
900W	600W	1300W
800W	600W	1200W
700W	500W	1100W
600W	500W	1000W
500W	400W	900W
400W	400W	700W
300W	300W	600W
200W	200W	500W
100W	100W	300W
		200W
		100W

## Range descriptions

Neodymium magnet aluminium chassis

Ferrite magnet aluminium chassis

Neodymium magnet steel chassis

Ferrite magnet steel chassis