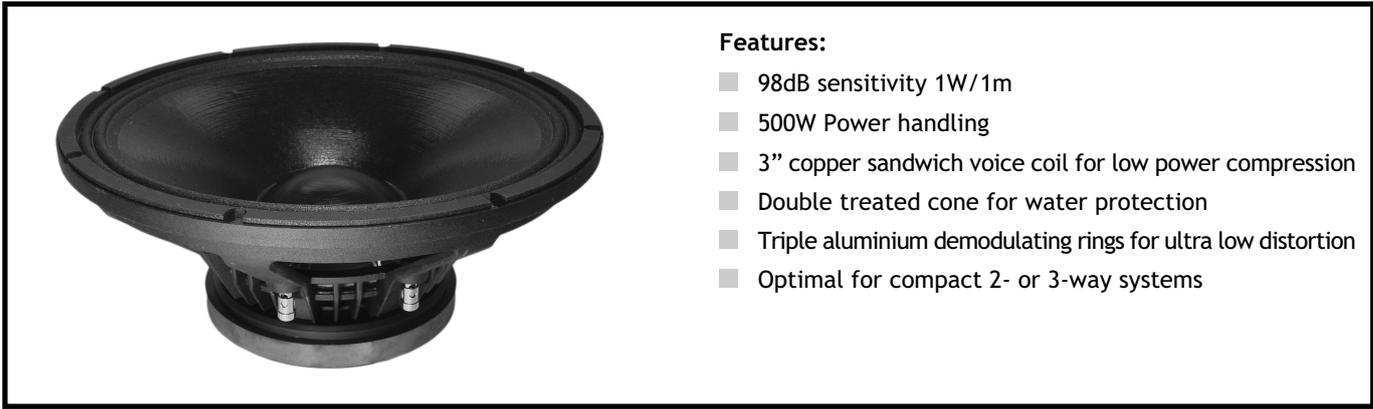


# 15S320

Ultra Low Distortion Low Midrange Driver

Ultra low distortion series

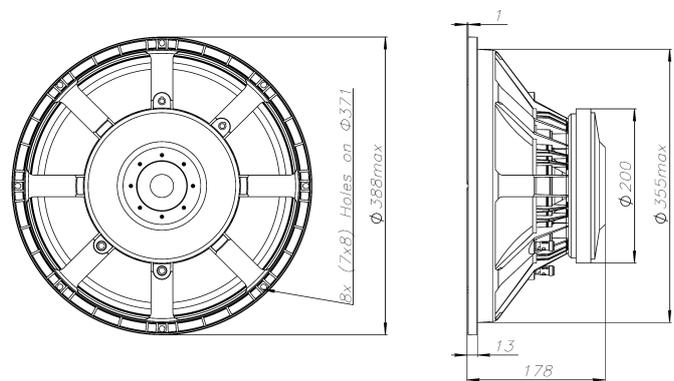


**Features:**

- 98dB sensitivity 1W/1m
- 500W Power handling
- 3" copper sandwich voice coil for low power compression
- Double treated cone for water protection
- Triple aluminium demodulating rings for ultra low distortion
- Optimal for compact 2- or 3-way systems

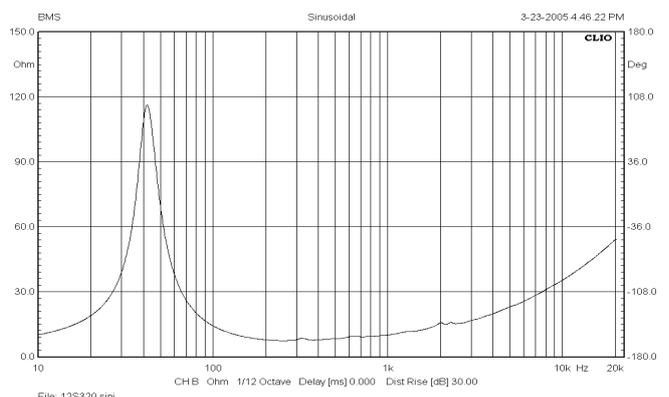
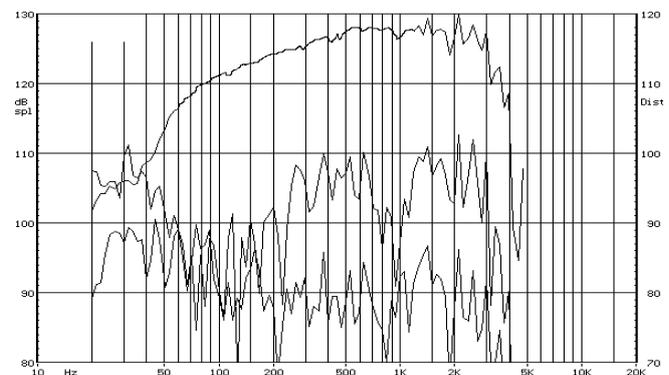
## SPECIFICATIONS

APPLICATION	Compact 2- or 3-way systems	
Nominal impedance	Ohm	8
Power handling AES noise	W	500
Sensitivity ( 1W/1m )	dB	98
Frequency response	Hz	40 - 2500
Voice coil diameter	mm	77 (3")
Voice coil material		Cu
Voice coil winding depth	mm	19
Magnet gap depth	mm	10
Basket		Cast Aluminium
Effect. diaphragm diameter D	mm	335



THIELE - SMALL PARAMETERS			
Resonance frequency	Fs	Hz	43
DC resistance	Re	Ohm	5.90
Mechanical Q factor	Qms		4.49
Electrical Q factor	Qes		0.31
Total Quality factor	Qts		0.29
Equivalent volume	Vas	L	137.7
Moving mass	Mms	kg	0.108
Mechanical compl.	Cms	mm/N	0.130
BL factor	BL	Tesla m	23,40
Effective piston area	Sd	m <sup>2</sup>	0.0880
Max. linear excursion	Xmax	mm	± 4.5
Voice coil inductance	Le1k	mH	1.66
	Le10k	mH	0.46

Frequency response measured 100W (28.3V) at 1m in a closed enclosure of 100 litre in an anechoic chamber incl. 2nd and 3rd harmonic distortion raised 20dB.



MOUNTING INFORMATION		
Overall diameter	mm	388
Mounting holes diameter	mm	8 x (7 x 8)
Bolt circle diameter	mm	371
Baffle cut-out diameter	mm	358
Overall depth	mm	178
Net weight	kg	9

**Recommended reflex enclosure:**

70L/50Hz, -3dB=54Hz, BRD=140mm/155mm long

Cone Drivers