



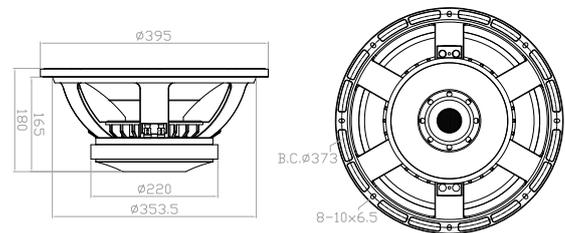
## 15SW100-8BP <sup>4Ω Available</sup> BASS/MID RANGE DRIVER



### KEY FEATURES

- 96dB 1W/1m sensitivity
- 1000W AES power handling
- 40Hz-1.5kHz frequency response
- 99.3mm (4.0in) copper voice coil
- Aluminum demodulating ring for lower distortion
- Double silicon spider for superior excursion control and linearity
- Heavy-duty cast aluminum chassis for increased rigidity
- Suitable for high SPL subwoofer designs and compact two way systems

### MECHANICAL DRAWING



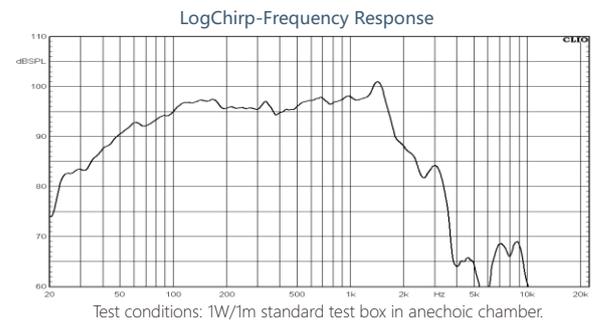
### GENERAL SPECIFICATIONS

Part Number	15SW100-8BP
Nominal Diameter	395mm (15in)
Nominal Impedance	8Ω
Minimum Impedance	6.6Ω
AES Power Handling <sup>1</sup>	1000W
Maximum Power Handling <sup>2</sup>	2000W
Sensitivity (1W/1m) <sup>3</sup>	96dB
Resonance Frequency	40Hz
Frequency Range	40Hz-1.5kHz
Voice Coil Diameter	99.3mm
Winding Material	Copper
Former Material	Glass Fiber
Winding Depth	28.6mm
Magnetic Gap Depth	12mm
Xmax <sup>4</sup>	12.3mm
Flux Density	1.05T
Basket Material	Cast Aluminum
Magnet Material	Ferrite
Suspension Material	Double Fabric
Surround Material	W-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Net Weight	12kg

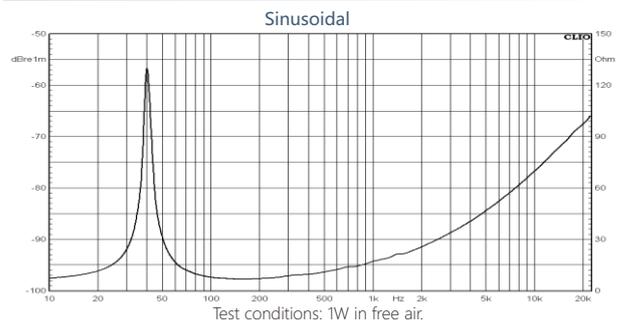
### TS Parameters<sup>5</sup>

Fs	40Hz	Qms	9.4
Re	5.3Ω	Qes	0.40
Le	0.96mH	Qts	0.38
Mms	180g	Vas	94L
Mmd	165g	Ref. Efficiency	1.5%
Cms	0.09mm/N	Sd	881cm <sup>2</sup>
BL	24.5Tm	EBP	100Hz

### FREQUENCY RESPONSE CURVE



### IMPEDANCE CURVE



### NOTES

1. Two hours test according to AES 2-1984 Rev. 2003.  
Power calculated on rated minimum impedance.
2. Maximum power is defined as 3dB greater than Nominal power.
3. Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.
4. Xmax=[(winding depth-magnetic gap depth)/2]+(magnetic gap depth/3).
5. Thiele-Small parameters are measured after a preconditioning test.
6. Power test by continuous pink noise signal within the frequency range.