

Technical Specification

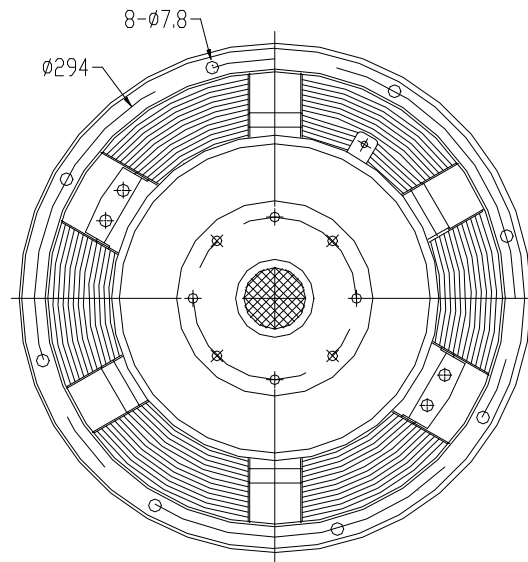
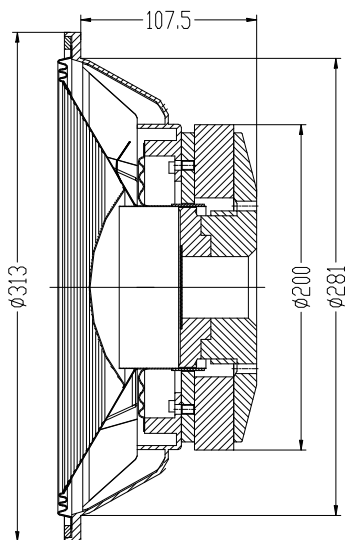
一. Use

This product is a 12-inch aluminum basin frame cloth edge high-power bass speaker produced by our company, suitable for the bass unit of professional speakers.

二. Technical specifications

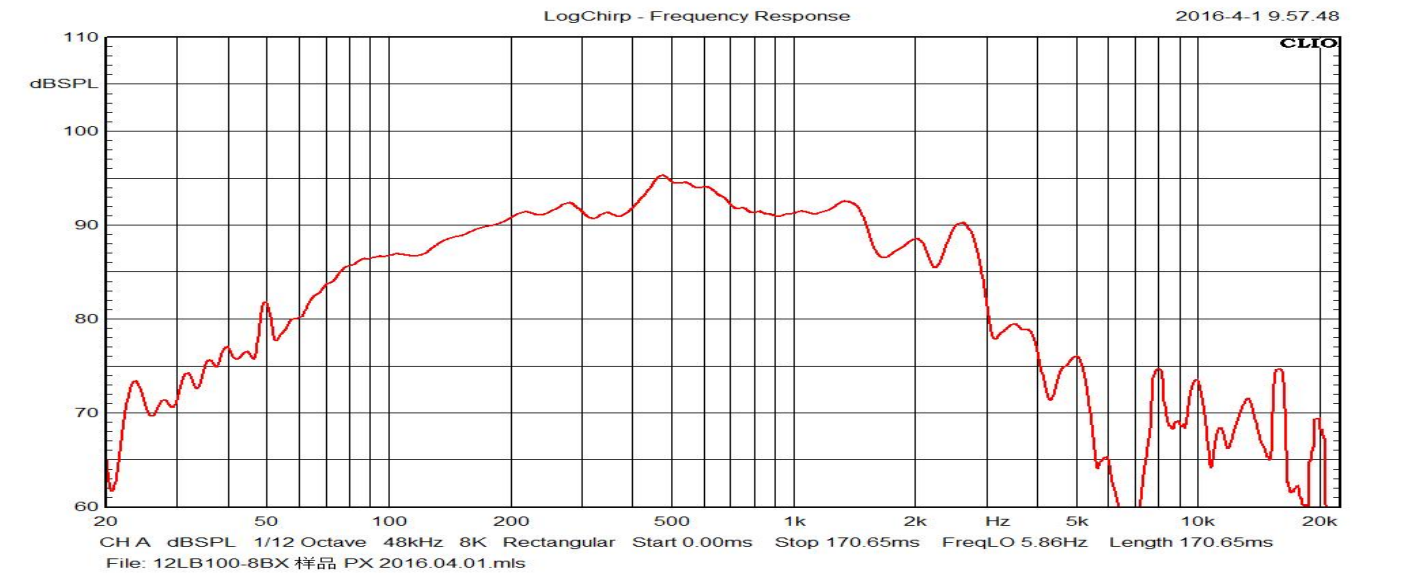
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|--|---|
| (1).Nominal diameter: 300mm (12inch) | (7).Lowest Resonance Frequency: $46\pm 5\text{Hz}$ |
| (2).DC resistance: $5.6\pm 0.28\Omega$ | (8).Frequency Response: 46Hz-2KHz |
| (3).Rated Impedance: 8Ω | (9).Voice Coil Diameter: 99.3mm |
| (4).Minimum Impedance: 7.3Ω | (10).Voice Coil material: Copper wire |
| (5).Power Tolerance Capacity:
Rated Power: 450W (5.6Ω)
Instantaneous Maximum power: 1800W (5.6Ω) | (11).Material of Voice Coil Framework: TIL
(12).Voice Coil Winding Depth: 19mm |
| (6).Sensitivity(1M/1W): $93\pm 2\text{dB}$ | (13).Magnet gap Depth: 10mm
(14).Magnet gap Depth: 0.92T
(15).Weight: 8.7kg |

三. Drawing

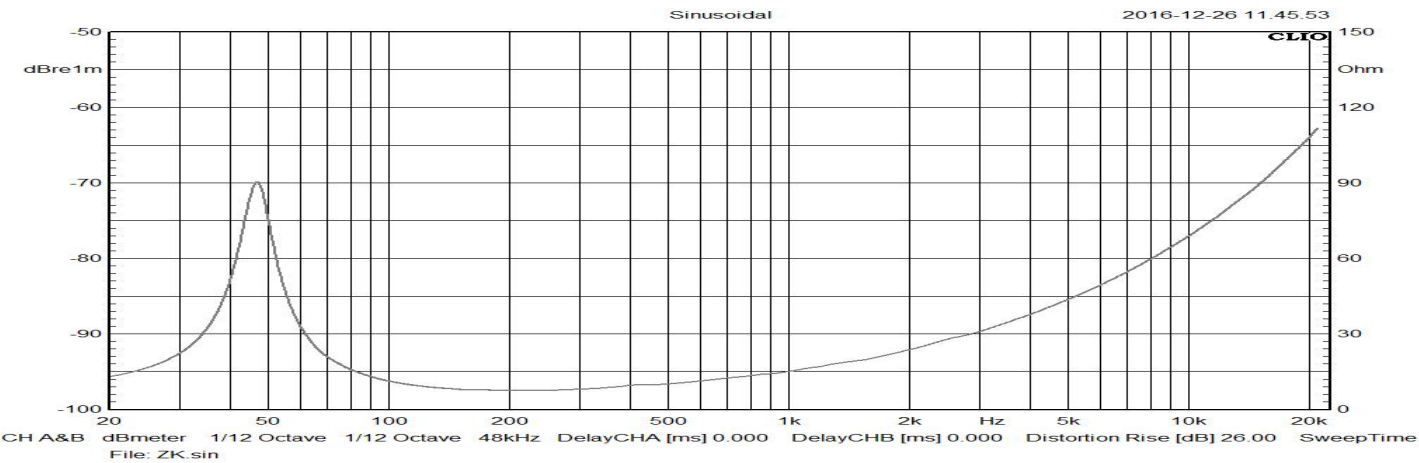


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Frequency response curve (Test environment: anechoic chamber of test center CLIO tester 1M/1W)



Impedance curve and TS parameters (Test environment: CLIO tester 1W in the anechoic chamber of the test center, effective vibration diameter is 265mm)



F_S	46.8343 Hz	V_{AS}	43.6573 L	R_E	5.6000 Ω
Q_{MS}	5.2484	Q_{ES}	0.3467	Q_{TS}	0.3252
$B \cdot l$	23.1100 T·m	dB_{SPL}	93.1407	S_D	0.0552 m ²
C_{MS}	0.1028 mm/N	M_{MS}	112.3612 g	R_{MS}	6.2999 Ω_M
C_{AS}	3.13E-7 m ⁵ /N	M_{AS}	36.94 kg/m ⁴	R_{AS}	2071 Ω_A
C_{MES}	210.3862 μ F	L_{CES}	54.8901 mH	R_{ES}	84.7740 Ω
R_{AT}	33422 Ω_A	R_{MT}	101.6698 Ω_M	M_{MD}	105.0298 g
Z_{MIN}	7.3556 Ω	Z_{MAX}	90.3740 Ω	Z_{AVG}	31.7616 Ω
η_0	1.2419 %	L_{1kHz}	1.8206 mH	L_{10kHz}	0.9794 mH