

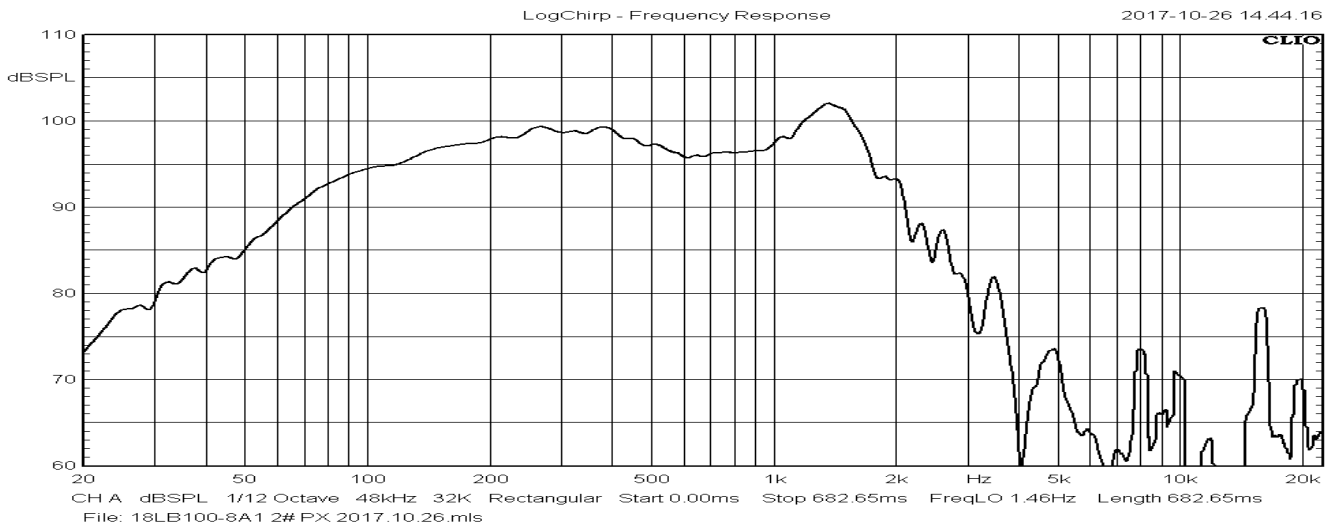
规格书
SPECIFICATIONS

1、General Specifications

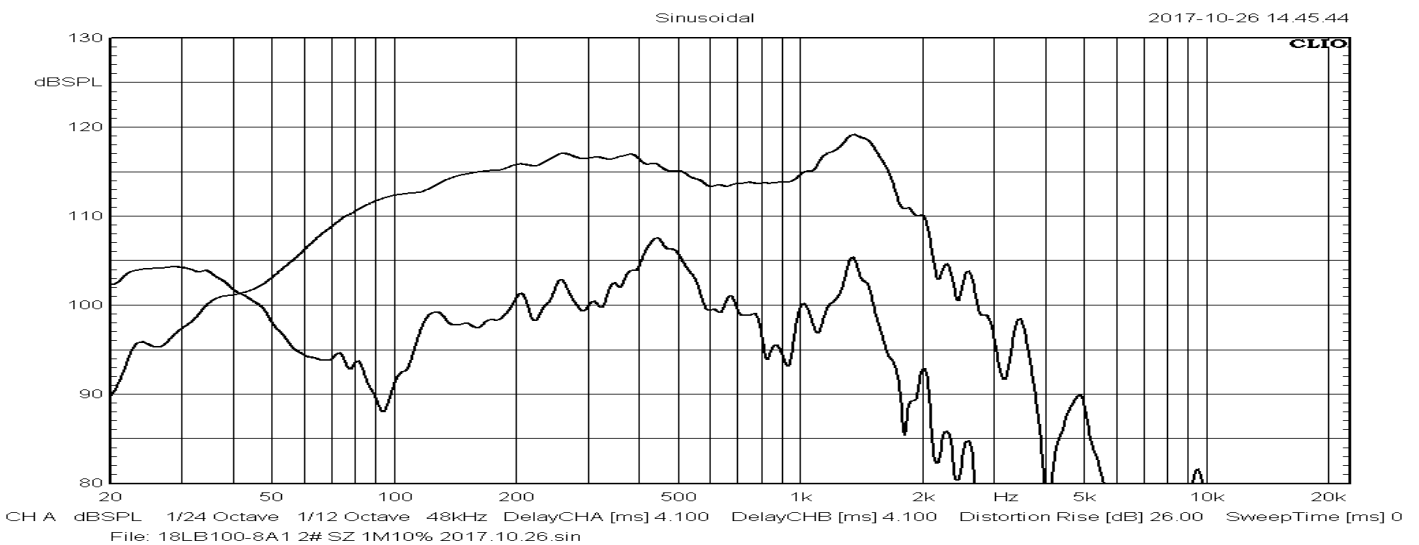
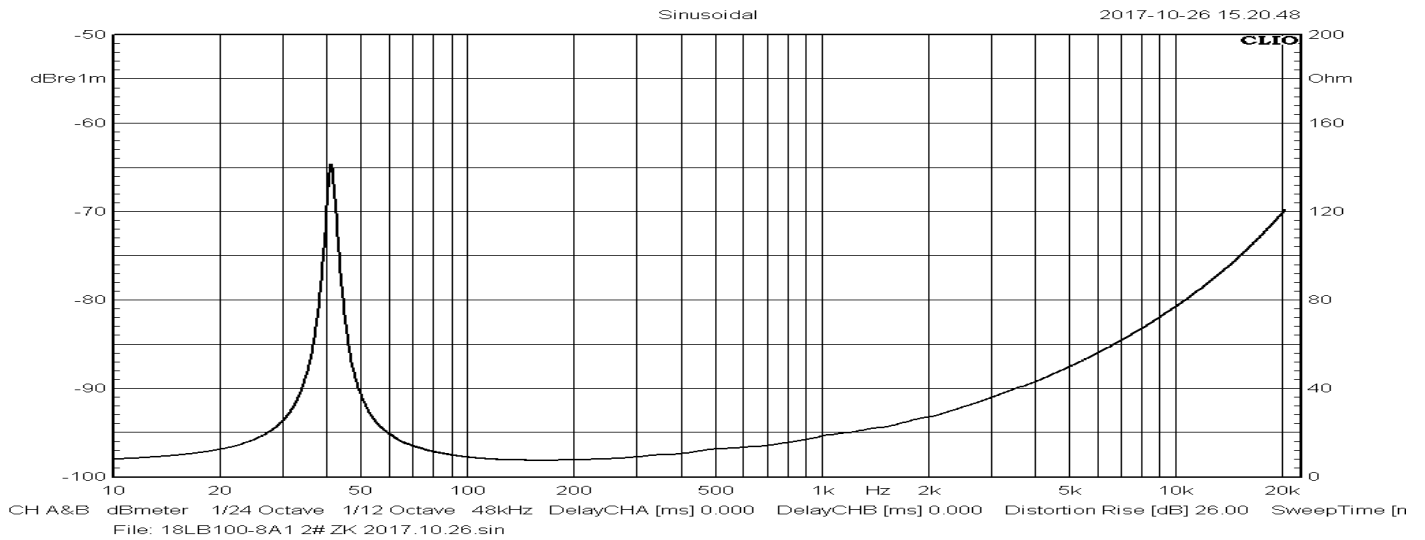
Model Number	18LB100-8A1
Nominal Diameter	460 mm (18 in)
Nominal Impedance	8 Ω
DC Resistance	5.6 Ω
Minimum Impedance	7.3 Ω
Power Rating ¹	600 W (5.6 Ω)
Long-term Maximum Power Handling ²	1200 W (5.6 Ω)
Short-term Maximum Power Handling ³	2400 W (5.6 Ω)
1W/1m Sensitivity (1W/1m) ⁴	98 dB
Resonance Frequency	42 Hz
Frequency Range	42 Hz-1.5 kHz
Voice Coil Diameter	99.3 mm
Winding Material	圆铜线 Round copper
Former Material	玻璃纤维 Glass Fibre
Winding Depth	25 mm
Magnetic Gap Depth	13 mm
Xmax ⁵	10.3 mm
Flux Density	1.05T
Basket Material	铝盆架 Cast aluminium
Magnet Material	铁氧体 Ferrite
Surround Material	布 Cloth-sealed
Surround Shape	W形 W-Roll
Net Weight	14.7 kg

- NOTES:**1、 Power rating test according to IEC 60268-5:2007; Power calculated on Nominal Impedance.
2、 Long-term power test according to IEC 60268-5:2007; Power calculated on Nominal Impedance.
3、 Short-term power test according to IEC 60268-5:2007; Power calculated on Nominal Impedance.
4、 Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.
5、 $X_{max} = [(winding\ depth - magnetic\ gap\ depth)/2] + (magnetic\ gap\ depth/3)$

2、频率响应曲线 Frequency Response Curve (1W/1m)



3、阻抗曲线 Impedance Curve (1W)



4、总谐波失真曲线 Total Harmonic Distortion Curve (10% Power Rating/1m)

5、TS 参数 TS Parameter (Klippel LPM Test)

Model Number	18LB100-8A1
Fs	42Hz
Re	5.8Ω
Le	1.1mH
Mms	212g
Mmd	160g
Rms	5.6kg/s
Cms	0.06mm/N
Bl	28.2N/A
Qms	10
Qes	0.41
Qts	0.39
Vas	160L
n0	2.7%
Sd	1288.25cm ²

6、机械图 Mechanical Drawing

