声 播 科 技
WAVE SOUND

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Engineered and tested in-house · Klippel / CLIO

PW10018B

18" SUBWOOFER





1200 W
power handling

94 dB
sensitivity (1 W / 1 m)

100 mm (3.9 in)
voice coil

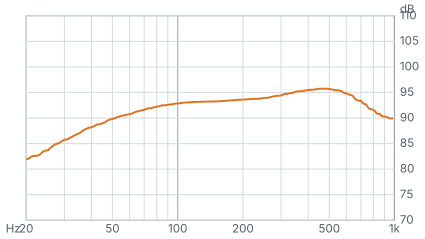
30–400 Hz
frequency range

FEATURES

- 100 mm (3.9 in) voice coil, High-temp copper wire (APIPS2H, Japan)
- 220 mm ferrite (φ220×110×25 mm, HITACHI) magnet
- T-yoke φ210×12 mm, washer φ210×10 mm
- Treated carbon paper cone · Silicone spider · Aluminium basket
- ± 7.7 mm Xmax (BI 72%), Klippel LSI
- 100% in-line tested: F0, frequency sweep, max-power listening check

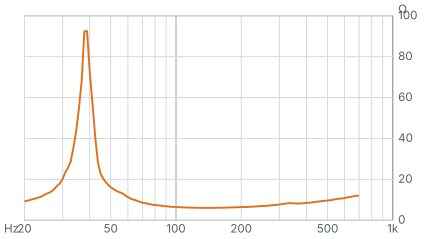
FREQUENCY RESPONSE

dB SPL, 1 W / 1 m



IMPEDANCE

Ω



SPECIFICATIONS

Nominal Diameter	460 mm (18 in)
Nominal Impedance	8 Ω
Minimum Impedance	6.1 Ω
Power Handling	
Rated[1]	1200 W
Continuous Program[2]	2400 W
Sensitivity (1 W / 1 m)[3]	94 dB
Frequency Range	30–400 Hz
Voice Coil Diameter	100 mm (3.9 in)
Magnet Material	Ferrite

THIELE & SMALL PARAMETERS[4]

F_s	38.4 Hz
R_e	5.29 Ω
Q_{es}	0.611
Q_{ms}	11
Q_{ts}	0.579
V_{as}	176 L
S_d	1320 cm²
η_0	1.57 %
X_{max} (BI 72%)	± 7.7 mm
M_{ms}	241 g
BI	22.4 T·m
L_e	1.63 mH
EBP	63 Hz

DIMENSIONS

Overall Diameter	460 mm
Depth	207.2 mm

[1] Rated power: continuous pink noise within Fs–10·Fs (IEC 60268-5), driver in free air; power calculated on minimum impedance.

[2] Program power is defined as 3 dB above the nominal rating.

[3] Sensitivity calculated from Klippel LPM T/S parameters, 2.83 V for 8 Ω nominal, 1 m, half space. SPL curve 1 W / 1 m.

[4] Thiele-Small parameters measured with Klippel LPM (laser), small signal. Xmax: one-way excursion where BI(x) falls to 72% of BI(0), Klippel LSI.

Full datasheet (Klippel large-signal data, distortion) available on request.

Specifications subject to change without notice.