声 播 科 技
WAVE SOUND

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Engineered and tested in-house · Klippel / CLIO

PW10015A

15" LF TRANSDUCER





800 W
power handling

95.8 dB
sensitivity (1 W / 1 m)

100 mm (3.9 in)
voice coil

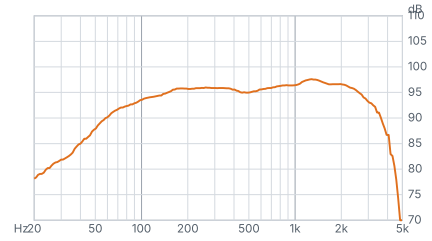
42–2000 Hz
frequency range

FEATURES

- 100 mm (3.9 in) voice coil
- 220 mm ferrite (HITACHI) magnet
- Treated paper cone · Cast aluminium basket
- ± 8.1 mm Xmax (BI 72%), Klippel LSI
- 100% in-line tested: F0, frequency sweep, max-power listening check

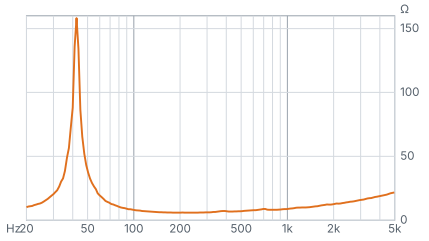
FREQUENCY RESPONSE

dB SPL, 1 W / 1 m



IMPEDANCE

Ω



SPECIFICATIONS

Nominal Diameter	380 mm (15 in)
Nominal Impedance	8 Ω
Minimum Impedance	5.9 Ω
Power Handling	
Rated[1]	800 W
Continuous Program[2]	1600 W
Sensitivity (1 W / 1 m)[3]	95.8 dB
Frequency Range	42–2000 Hz
Voice Coil Diameter	100 mm (3.9 in)
Magnet Material	Ferrite

THIELE & SMALL PARAMETERS[4]

F_s	42.1 Hz
R_e	5.21 Ω
Q_{es}	0.42
Q_{ms}	12.7
Q_{ts}	0.407
V_{as}	139 L
S_d	908 cm²
η_0	2.38 %
X_{max} (BI 72%)	± 8.1 mm
M_{ms}	120 g
BI	19.8 T·m
L_e	0.525 mH
EBP	100 Hz

DIMENSIONS

Overall Diameter	389 mm
Depth	173 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.