

KILOMAX™ 18

Materials of construction

- Kapton coil former for increased rigidity and thermal protection
- Polyamide-imide coated two-layer, 26ga. copper voice coil for improved power-handling and durability
- Ferrite magnet
- 0.25" extended core for greater cone travel and increased power handling
- Die-cast aluminum basket for rigidity
- Paper cone
- Kilomax™ aluminum heatsink to transfer heat from the motor structure
- Core Periphery Ventilation

For esoteric high power bass applications.

* 4Ω version UK only.

Nominal Basket Diameter	18", 457.2mm
Impedance	4Ω* or 8Ω
Power Rating	1,250W _{RMS}
Resonance	33Hz
Usable Frequency Range	25Hz—600Hz
Sensitivity	see page 46
Magnet Weight	109oz.
Gap Height	0.375", 9.52mm
Voice Coil Diameter	4.0", 101.6mm

Mounting information

Recommended Enclosure Volume (vented)	212—354 liters 7.5—12.5 cu.ft.
Overall Diameter	18", 457.2mm
Baffle Hole Diameter	16.56", 420mm
Front Sealing Gasket	<i>fitted as standard</i>
Rear Sealing Gasket	<i>fitted as standard</i>
Mounting Holes Diameter	0.25", 6.4mm
Mounting Hole B.C.D.	17.25", 438.2mm
Depth	8.15", 207mm
Shipping Weight	32lbs., 14.6kg

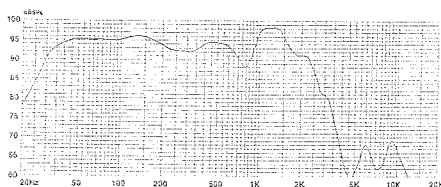
Thiele-Small parameters

Resonant Frequency	(fs)	33Hz
Impedance	(Re)	5.84Ω
Coil Inductance	(Le)	2.38mH
Electromagnetic Q	(Qes)	0.58
Mechanical Q	(Qms)	14.24
Total Q	(Qts)	0.56
Compliance Equivalent Volume	(Vas)	239.9 liters 8.47 cu.ft.

Peak Diaphragm Displacement Volume	(Vd)	1141cc
Mechanical Compliance of Suspension	(Cms)	0.13mm/N
BL Product	(BL)	19.7 T-M
Diaphragm Mass inc. Airload	(Mms)	186 grams
Equiv. Resistance of Mechanical Suspension Loss	(Rms)	2.69N*sec/M
Efficiency Bandwidth Product	(EBP)	57
Voice Coil Overhang	(Xmax)	9.8mm
Surface Area of Cone	(Sd)	1159cm ²
Impedance at Resonance	(Zmax)	150Ω
Maximum Mechanical Limit	(Xmech)	38.10mm

Eminence response curves are measured under the following controlled test conditions:

- All speakers are tested at 1W/1m using a variety of test set-ups for the appropriate impedance
- LMS using 0.25" supplied microphone (software calibrated) mounted 1m from wall/baffle
- 2ft. x 2ft. baffle is built into the wall with the speaker mounted flush against a steel ring for minimum defraction
- Hafler P1500 Trans-Nova amplifier
- 2700 cu.ft. chamber with fiberglass on all six surfaces (three with custom-made wedges)



KILOMAX™ 15

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- Core Periphery Ventilation

For esoteric high power bass applications.

Nominal Basket Diameter	15", 381mm
Impedance	8Ω
Power Rating	1,250W _{RMS}
Resonance	41Hz
Usable Frequency Range	35Hz—1.5kHz
Sensitivity	see page 46
Magnet Weight	109oz.
Gap Height	0.375", 9.52mm
Voice Coil Diameter	4", 101.6mm

Mounting information

Recommended Enclosure Volume (vented)	92—150 liters 3.25—5.30 cu.ft.
Overall Diameter	15.21", 386.4mm
Baffle Hole Diameter	14.0", 355.5mm
Front Sealing Gasket	<i>fitted as standard</i>
Rear Sealing Gasket	<i>fitted as standard</i>
Mounting Holes Diameter	0.275", 7mm
Mounting Hole B.C.D.	14.56", 369.9mm
Depth	6.42", 163mm
Shipping Weight	28lbs, 12.7kg

Thiele-Small parameters

Resonant Frequency	(fs)	41Hz
Impedance	(Re)	4.97Ω
Coil Inductance	(Le)	1.78mH
Electromagnetic Q	(Qes)	0.40
Mechanical Q	(Qms)	8.80
Total Q	(Qts)	0.39
Compliance Equivalent Volume	(Vas)	154.5 liters 5.46 cu.ft.

Peak Diaphragm Displacement Volume	(Vd)	680cc
Mechanical Compliance of Suspension	(Cms)	0.15mm/N
BL Product	(BL)	17.7 T-M
Diaphragm Mass inc. Airload	(Mms)	98 grams
Equiv. Resistance of Mechanical Suspension Loss	(Rms)	2.91N*sec/M
Efficiency Bandwidth Product	(EBP)	102
Voice Coil Overhang	(Xmax)	7.9mm
Surface Area of Cone	(Sd)	856.3cm ²
Impedance at Resonance	(Zmax)	113Ω
Maximum Mechanical Limit	(Xmech)	26.92mm

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