EMINENCE®
The Art and Science of Sound

DEFINIMAX™ 4018LF Professional Series

Recommended for professional audio and bass as a low distortion sub-woofer in single or multi-driver designs.

Specification

Nominal Basket Diameter	18”, 457.2mm
Nominal Impedance*	8 ohms
Power Rating**	
Watts	800W
Music Program	1600W
Resonance	32Hz
Usable Frequency Range***	36Hz-200Hz
Sensitivity	95
Magnet Weight	109 oz.
Gap Height	0.375”, 9.53mm
Voice Coil Diameter	4”, 101.6mm

Thiele & Small Parameters

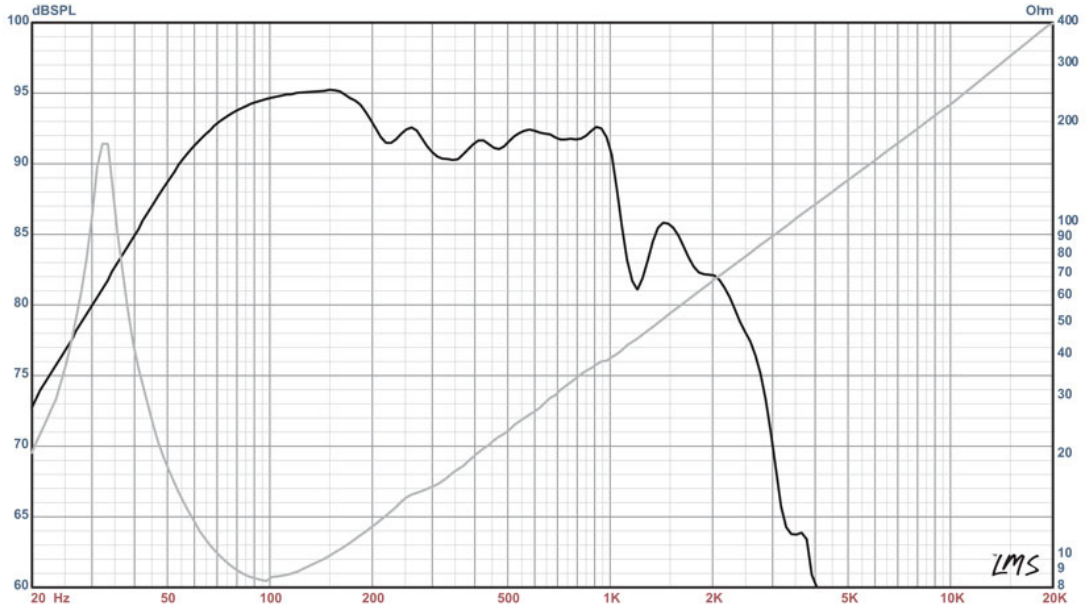
Resonant Frequency (fs)	32Hz
DC Resistance (Re)	6.19
Coil Inductance (Le)	4.78mH
Mechanical Q (Qms)	10.38
Electromagnetic Q (Qes)	0.36
Total Q (Qts)	0.35
Compliance Equivalent Volume (Vas)	237.9 liters / 8.4 cu. ft.
Peak Diaphragm Displacement Volume (Vd)	939cc
Mechanical Compliance of Suspension (Cms)	0.12mm/N
BL Product (BL)	27.0 T-M
Diaphragm Mass inc. Airload (Mms)	211 grams
Efficiency Bandwidth Product (EBP)	89
Maximum Linear Excursion (Xmax)	7.9mm
Surface Area of Cone (Sd)	1188.0 cm2
Maximum Mechanical Limit (Xlim)	15.9mm

Mounting Information

Recommended Enclosure Volume	
Vented	125-210 liters/ 4.4-7.4 cu.ft.
Overall Diameter	18”, 457.2mm
Baffle Hole Diameter	16.57”, 420.9mm
Front Sealing Gasket	fitted as standard
Rear Sealing Gasket	fitted as standard
Mounting Holes Diameter	0.28”, 7mm
Mounting Holes B.C.D.	17.25”, 438.2mm
Depth	8.13”, 206.4mm
Net Weight	26 lbs, 11.8 kg
Shipping Weight	24 lbs., 10.9 kg

Materials of Construction

Copper voice coil
Polyimide former
Ferrite magnet
Undercut with copper shorting ring and Core Periphery Ventilation
Die-cast aluminum basket
Acrylic Wetlook Paper Cone
Cloth cone edge
Acrylic wetlook paper dust cap



* Please inquire about alternative impedances.

** Multiple units exceed published rating evaluated under EIA 426A noise source and test standard while in a free-air, non-temperature controlled environment.

*** The average output across the usable frequency range when applying 1W/1M into the nominal impedance. Ie: 2.83V/8ohms, 4V/16ohms.
Eminence response curves are measured under the following 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 diffraction | Hafler P1500 Trans-Nova amplifier | 2700 cu.ft. chamber with fiberglass on all six surfaces (three with custom-made wedges)