

## PROFESSIONAL SERIES

# DEFINIMAX™ 4018LF

Recommended for professional audio and bass as a high power, low distortion subwoofer in single or multi-driver designs.

- 2400 W Program Power
- 18" Nominal Diameter
- 8 Ω

APPLICATION		ENCLOSURE	
Midrange	<input type="checkbox"/>	Sealed Box	<input type="checkbox"/>
Midbass	<input type="checkbox"/>	Vented Box	<input checked="" type="checkbox"/>
Woofers	<input type="checkbox"/>	Scoop Loading	<input checked="" type="checkbox"/>
Subwoofer	<input checked="" type="checkbox"/>	Horn Loading	<input checked="" type="checkbox"/>
Bass Guitar	<input type="checkbox"/>		

### SPECIFICATION

Nominal Basket Diameter	18", 457 mm
Nominal Impedance*	8 Ω
Power Rating*	
Program Power	2400 W
Nominal Power	1200 W
Resonance	30 Hz
Usable Frequency Range	31 Hz – 0.2 kHz
Sensitivity*	94.9 dB
Magnet Weight	109 oz.
Gap Height	0.375", 9.5 mm
Voice Coil Diameter	4", 102 mm

### MATERIALS OF CONSTRUCTION

- Copper voice coil
- Polyimide former
- Ferrite magnet
- Undercut with aluminum shorting ring and Core Periphery Ventilation
- Die-cast aluminum basket
- Water resistant paper cone
- Cloth cone edge
- Water resistant treated paper dust cap



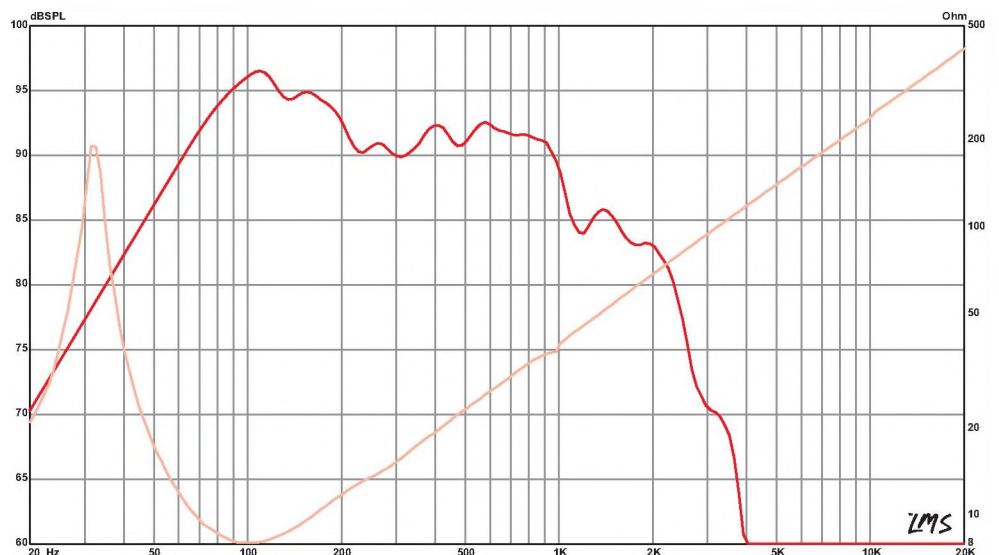
### THIELE & SMALL PARAMETERS

Fs	30 Hz
Re	6.1 Ω
Le	4.54 mH
Qms	11.95
Qes	0.35
Qts	0.34
Vas	9 cu.ft., 254.71 liters
Vd	1018.1 cc
Cms	0.13 mm/N
BL	26.75 T-M
Mms	217 grams
EBP	86
Xmax	8.57 mm
Sd	1188 cm <sup>2</sup>
Xlim	15.9 mm

### MOUNTING INFORMATION

Recommended Enclosure Volume	Sealed	N/A
	Vented	99.11–226.54 liters, 3.5–8 cu.ft.
Driver Volume Displaced		0.234 cu.ft., 6.62 liters
Overall Diameter		18", 457.2 mm
Baffle Hole Diameter		16.56", 420.6 mm
Front Sealing Gasket		Yes
Rear Sealing Gasket		Yes
Mounting Holes Diameter		0.28", 7.1 mm
Mounting Holes B.C.D.		17.25", 438.2 mm
Depth		8.13", 206.5 mm
Net Weight		24 lbs., 10.89 kg
Shipping Weight		26 lbs., 11.79 kg

### FREQUENCY RESPONSE & IMPEDANCE CURVE\*



\* See footnotes on page 155 for information regarding usable frequency range, nominal impedance, power rating and sensitivity.