

## PROFESSIONAL SERIES

# KAPPA PRO 18LF-8

The Kappa Pro 18LF provides tons of low frequency output in a lightweight, durable cast aluminum chassis. Use it as a subwoofer in small to medium sized boxes, a woofer in large three-way PA enclosures, or as a high-power bass guitar woofer. The 1,600 watt program power rating makes it an easy choice for new box designs or as a replacement for many single and double subwoofer cabinets.

- 1600 W Program Power
- 18" Nominal Diameter
- 8  $\Omega$

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

### SPECIFICATION

Nominal Basket Diameter	18", 457 mm
Nominal Impedance*	8 $\Omega$
Power Rating*	
Program Power	1600 W
Nominal Power	800 W
Resonance	32 Hz
Usable Frequency Range	38 Hz - 0.7 kHz
Sensitivity*	98 dB
Magnet Weight	120 oz.
Gap Height	0.37", 9.5 mm
Voice Coil Diameter	3", 76 mm

### MATERIALS OF CONSTRUCTION

Copper voice coil
Kapton former
Ferrite magnet
Vented and extended core
Die-cast aluminum basket
Treated paper cone
Cloth cone edge
Treated paper dust cap



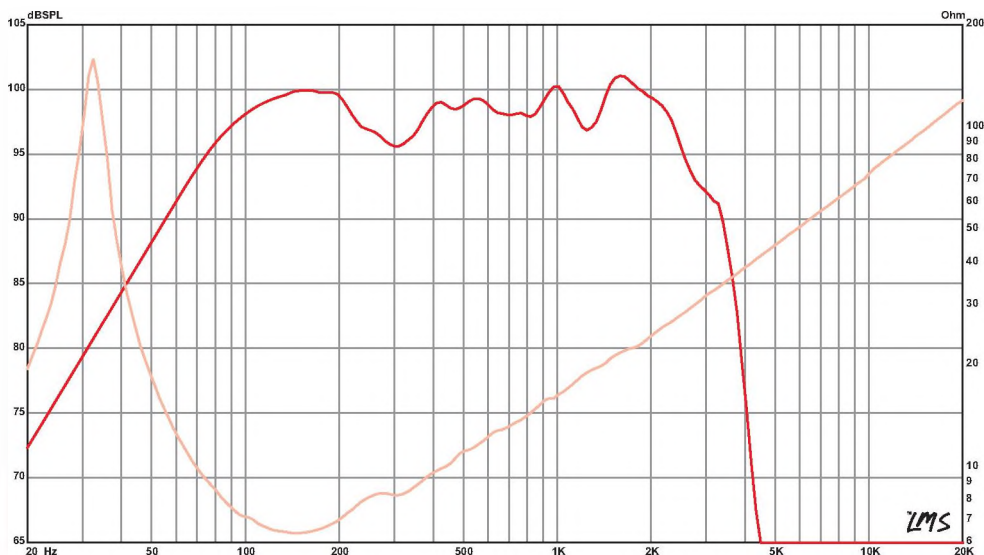
### THIELE & SMALL PARAMETERS

Fs	32 Hz
Re	5.39 $\Omega$
Le	1.21 mH
Qms	10.66
Qes	0.34
Qts	0.33
Vas	13.83 cu.ft., 391.61 liters
Vd	927.2 cc
Cms	0.21 mm/N
BL	19.39 T-M
Mms	119 grams
EBP	94
Xmax	8 mm
Sd	1159 cm <sup>2</sup>
Xlim	18 mm

### MOUNTING INFORMATION

Recommended Enclosure Volume	
Sealed	N/A
Vented	113.27-353.96 liters, 4-12.5 cu.ft.
Driver Volume Displaced	0.234 cu.ft., 6.62 liters
Overall Diameter	18", 457.2 mm
Baffle Hole Diameter	16.58", 421.1 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	8.15", 207 mm
Net Weight	24.5 lbs., 11.11 kg
Shipping Weight	28.1 lbs., 12.75 kg

### FREQUENCY RESPONSE & IMPEDANCE CURVE\*



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