

## 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



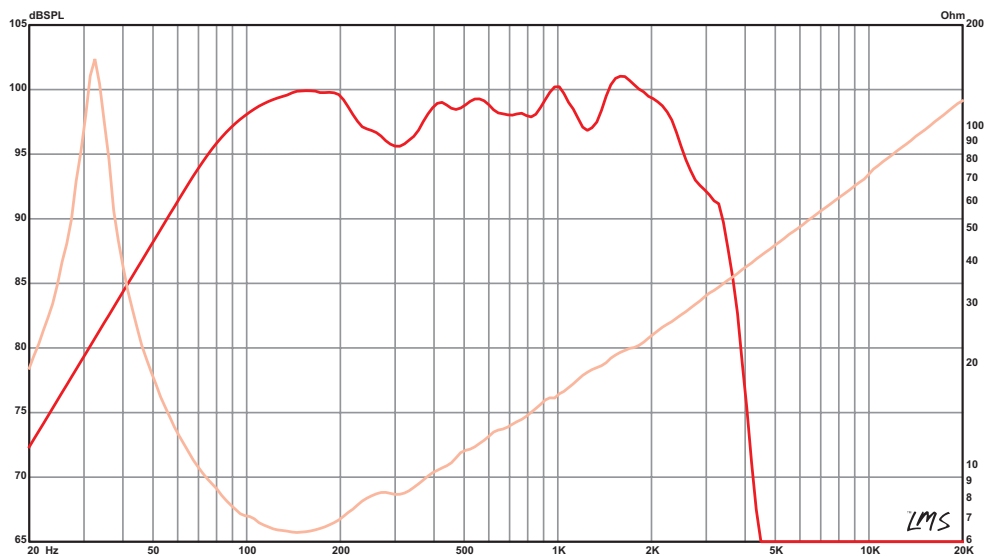
### THIELE & SMALL PARAMETERS

|      |                             |
|------|-----------------------------|
| 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\*



VISIT [EMINENCE.COM](http://EMINENCE.COM) TO FIND A DEALER NEAR YOU.

\* See footnotes on page 2 for information regarding usable frequency range, nominal impedance, power rating and sensitivity.



## FOOTNOTES

### IMPEDANCE

Please consult [www.eminence.com](http://www.eminence.com) for specifications of models with alternative impedances.

### POWER RATING

Multiple units exceed published ratings evaluated under EIA 426A specification while tested in a free-air, non-temperature-controlled environment. Multiple compression drivers exceeded published ratings evaluated under EIA-426A or AES specification while mounted on Eminence's H290, H290S, or H2EA horn in a non-temperature-controlled environment.

### SENSITIVITY

The average output across the usable frequency range when applying 1W/1m into the nominal impedance. i.e: 2.83V/8 $\Omega$ , 4V/16 $\Omega$ . 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 | 2 ft. x 2 ft. baffle is built into the wall with the speaker mounted flush against a steel ring for minimum diffraction | Yamaha P3500S amplifier | 2700 cu. ft. chamber with fiberglass on all six surfaces (three with custom-made wedges). Compression drivers were tested using a 2ft x 2ft baffle built into the wall with horn front mounted.

### COAXIALS

BETA 8CX, 10CX, and 12CX are coaxial speakers with tweeter sold separately. Published usable frequency response contingent upon use of ASD:1001 HF Driver.

Prices, product cosmetics and specifications are subject to change without notice.

**EMINENCE SPEAKER LLC**

838 Mulberry Pike, Eminence, KY 40019



*Follow us:*

[EMINENCE.COM](http://EMINENCE.COM)



[You Tube](#)

