

L15P200 AK-II

WOOFER

DESCRIPTION

The L15P200AK-II is the RCF classical extended low Frequency 15" woofer. Generous voice coil length, heavier moving mass weight and very low resonance for perfect low frequency reproduction. Remarkable the linearity in the application range. Special treatments are applied to cone surface and surround for optimum dampening.



FEATURES

- 4-inch, fiberglass inside/outside copper voice coil
- 1600W continuous program power handling
- 95 dB Sensitivity
- 35 Hz – 1 kHz Frequency range
- Triple-roll damped surround
- Corrugated straight damped cone
- Dual spider designed with silicon based damping control

TECHNICAL SPECIFICATIONS

General specifications

Nominal Diameter:	15 inch / 381 mm
Rated Impedance:	8 ohm
Program Power (watt):	1600 W
Power handling capacity:	800 W
Sensitivity:	95 dB
Frequency range:	35 - 1000 Hz
Effective piston diameter:	325 mm / 12.8 inch
Max. Excursion Before Damage:	36 mm / 1.42 inch
Minimum Impedance (ohm):	7 ohm
Voice Coil Diameter:	4.0 inch / 102 mm
Voice Coil Winding Material:	Copper
Voice Coil Length:	24 mm / 0.94 inch
Number of layers:	2
Kind of layers:	inside/outside
Top Plate Thickness:	9 mm / 0.35 inch
Cone Design:	Straight
Surround Material:	Polycotton
Surround Design:	Triple roll
Magnets:	Ceramic
Spider:	Dual with silicon based damping control

Thiele - small parameters

Resonance frequency (Fs):	38 Hz
DC resistance (Re) (ohm):	6.50 ohm
Mechanical factor:	8.10 Qms
Electrical factor:	0.35 Qes
Total factor:	0.34 Qts
Bl factor (Bl) (T x m):	25.80 T x m
Effective moving mass (Mms):	134 gr
Equivalent Cas air loaded (Vas):	139 liters
Effettive piston area (Sd):	0.08 m2
Max. linear excursion (Xmax):	10 mm
Voice coil inductance @ 1kHz (Le1k):	1.50 mH
Half-space efficiency (Eff):	1.93%

Mounting informations

Overall diameter:	387 mm / 15.24 inches
Bolt circle diameter:	371 mm / 14.61 inch
Bolt hole diameter:	7 mm / 0.28 inch
Front mount baffle cut-out:	358 mm / 14.09 inch
Rear mount baffle cut-out:	362 mm / 14.25 inch
Volume occupied by the driver:	3.4 liters / 0.13 ft3

Standard compliance

CE marking:	Yes
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Size	Height:	136 mm / 5.35 inches
	Diameter:	387 mm / 15.24 inches
	Weight:	11 kg / 24.25 lbs

Shipping informations	Package Height:	189 mm / 7.44 inches
	Package Width:	439 mm / 17.28 inches
	Package Depth:	434 mm / 17.09 inches
	Package Weight:	12.5 kg / 27.56 lbs

PART NUMBER

- **11100082**
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