

L15P400

WOOFER

DESCRIPTION

Incredibly linear frequency response characteristics, extreme high power handling while generating the lowest harmonic distortion of any comparable 15-inch transducer within its application range. The L15P400 uses a fibre loaded cone assembly along with a high excursion triple roll surround. This combination provides remarkable strength and a peak to peak maximum excursion of 52mm. The T-pole also features RCF Precision's spaced gap demodulation technology, progressively braking the voice coil, providing a much smoother transition for the moving mass as it reaches its maximum excursion limits. Forced air venting system.



FEATURES

- 4-inch, fiberglass inside/outside copper voice coil
- 1600W continuous program power handling
- 97 dB Sensitivity
- 30 Hz – 1.5 kHz Frequency range
- Aluminum demodulation ring
- Forced air ventilation and 14mm top plate for minimum power compression
- Dual spider design with silicon based dampening control
- Triple-roll surround and corrugated straight cone geometry

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:	97 dB
Frequency range:	30 - 1500 Hz
Effective piston diameter:	340 mm / 13.39 inch
Max. Excursion Before Damage:	50 mm / 1.97 inch
Minimum Impedance (ohm):	6 ohm
Voice Coil Diameter:	4.0 inch / 102 mm
Voice Coil Winding Material:	Copper
Voice Coil Length:	23 mm / 0.91 inch
Number of layers:	2
Kind of layers:	inside/outside
Top Plate Thickness:	14 mm / 0.55 inch
Cone Design:	Straight
Surround Material:	Polycotton
Surround Design:	Triple roll
Magnets:	Ceramic
Dual-force air ventilation:	Yes
Spider:	Dual with silicon based damping control

Thiele - small parameters

Resonance frequency (Fs):	36 Hz
DC resistance (Re) (ohm):	4.80 ohm
Mechanical factor:	7.50 Qms
Electrical factor:	0.27 Qes
Total factor:	0.25 Qts
Bl factor (Bl) (T x m):	24.80 T x m
Effective moving mass (Mms):	150 gr
Equivalent Cas air loaded (Vas):	160 liters
Effective piston area (Sd):	0.09 m ²
Max. linear excursion (Xmax):	8 mm
Voice coil inductance @ 1kHz (Le1k):	1.20 mH
Half-space efficiency (Eff):	2.60%

Mounting informations

Overall diameter:	393 mm / 15.47 inches
Bolt circle diameter:	371-376 mm / 14.61-14.8 inch
Bolt hole diameter:	7 mm / 0.28 inch
Front mount baffle cut-out:	352 mm / 13.86 inch
Rear mount baffle cut-out:	360 mm / 14.17 inch
Volume occupied by the driver:	4.3 liters / 0.17 ft ³

Standard compliance

CE marking:	Yes
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Size

Height:	159 mm / 6.26 inches
Diameter:	393 mm / 15.47 inches
Weight:	13.5 kg / 29.76 lbs

Shipping informations

Package Height:	195 mm / 7.68 inches
Package Width:	420 mm / 16.54 inches
Package Depth:	425 mm / 16.73 inches
Package Weight:	15.5 kg / 34.17 lbs

PART NUMBER**• 11100045**

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8ohm



