L18P400

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Description

Incredibly linear frequency response characteristics, extreme high power handling while generating the lowest harmonic distortion of any comparable18-inch trasducer wtihin its application range.
The L18P400 uses a fibre loaded cone assembly along with a high excursion triple roll,constant geometry surround. A fully optimised T-pole design generate the minimum amount of flux modulation. 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 reachees its maximum excursion limits.Forced air venting system.

Features

› 4-inch, fiberglass inside/outside copper voice coil
› 2000W continuous program power handling
› 97.5 dB Sensitivity
› 25 Hz – 1 kHz Frequency range
› Aluminum demodulation ring
› Forced air ventilation and 15mm top plate for minimum power compression
› Dual spider design with silicon based dampening control
› Triple roll surround and corrugated straight cone geometry

Part Number

11100044 L18P400 8ohm

Products are continually improved. All specifications are therefore subject to change without notice.

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TECHNICAL SPECIFICATIONS

General specifications	Nominal Diameter	18 inch / 457 mm
	Rated Impedance	8 ohm
	Program Power (watt)	2000 W
	Power handling capacity	1000 W
	Sensitivity	97.5 dB
	Frequency range	25 - 1000 Hz
	Effective piston diameter	395 mm / 15.55 inch
	Max. Excursion Before Damage	50 mm / 1.97 inch
	Minimum Impedance (ohm)	6.5 ohm
	Voice Coil Diameter	4.0 inch / 102 mm
	Voice Coil Winding Material	Copper
	Voice Coil Length	25 mm / 0.98 inch
	Number of layers	2
	Kind of layers	inside/outside
	Top Plate Thickness	15 mm / 0.59 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)	29 Hz
	DC resistance (Re) (ohm)	5.10 ohm
	Mechanical factor	7.60 Qms
	Electrical factor	0.29 Qes
	Total factor	0.28 Qts
	Bl factor (Bl) (T x m)	24.60 T x m
	Effective moving mass (Mms)	200.0 g
	Equivalent Cas air loaded (Vas)	340.0 liters
	Effective piston area (Sd)	0.120 m2
	Max. linear excursion (Xmax)	9 mm
	Voice coil inductance @ 1kHz (Le1k)	1.20 mH
	Half-space efficency (Eff)	2.63%
Mounting information	Overall diameter	465 mm / 18.31 inches
	Bolt circle diameter	442-447 mm / 17.4-17.6 inch
	Bolt hole diameter	7 mm / 0.28 inch
	Front mount baffle cut-out	424 mm / 16.69 inch
	Rear mount baffle cut-out	425 mm / 16.73 inch
	Volume occupied by the driver	6 liters / 0.24 ft3
Standard compliance	Safety agency	CE compliant

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Size / Weight	Height	206 mm / 8.11 inches
	Diameter	465 mm / 18.31 inches
	Weight	13.5 kg / 29.76 lbs

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Line Art 2D

