LN19S400

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Description

The LN19S400 is a 19-inch extended low-frequency transducer designed with high excursion piston capabilities, perfect for vented enclosures where power and low-frequency extension are priorities. One of the key highlights of the transducer is its ultralight CCAW (copper-clad aluminum wire) voice coil, which is configured in a 4.0-inch, 4-layer inside-outside voice coil with fiberglass former material. The ultra-long excursion moving mass (59 mm / 2.3" safe peak-to-peak) with high power and fast acceleration capabilities. Employing a cone assembly loaded with fibers and featuring a generous triple-roll surround, the LN19S400 is engineered to decrease flux modulations and enhance transient response. The Hyper-Vented dual-forced air system enhances voice coil ventilation, effectively minimizing power compression.

Features

- 4.0-inch Inside/Outside CCAW (copper-clad aluminum wire) voice coil
- 3000 Watt continuous program power handling
- 98.5 dB Sensitivity
- 25 Hz - 1 kHz Frequency range
- Hypervented magnetic structure for minimum power compression
- Triple roll surround and exponential cone geometry
- Single aluminum demodulation ring

Part Number

11100167	LN19S400	8ohm

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TECHNICAL SPECIFICATIONS

General specifications	Nominal Diameter	19 inch / 483 mm
	Rated Impedance	8 ohm
	Program Power (watt)	3000 W
	Power handling capacity	1500 W
	Sensitivity	98.5 dB
	Frequency range	25 - 1000 Hz
	Effective piston diameter	410 mm / 16.14 inch
	Max. Excursion Before Damage	59 mm / 2.32 inch
	Minimum Impedance (ohm)	6.2 ohm
	Voice Coil Diameter	4.0 inch / 102 mm
	Voice Coil Winding Material	Aluminum
	Voice Coil Length	42 mm / 1.65 inch
	Number of layers	4
	Kind of layers	inside/outside
	Top Plate Thickness	16 mm / 0.63 inch
	Cone Design	Curved
	Surround Material	Polycotton
	Surround Design	Triple roll
	Magnets	Neodymium
	Hypervented magnetic structure	Yes
	Dual-force air ventilation	Yes
	Demodulation Rings material	Aluminum
	Number of Demodulation Rings	1
	Spider	Triple layer sandwich spider
	Demodulation Ring	Yes
Thiele - small parameters	Resonance frequency (Fs)	32 Hz
	DC resistance (Re) (ohm)	4.70 ohm
	Mechanical factor	4.00 Qms
	Electrical factor	0.27 Qes
	Total factor	0.26 Qts
	Bl factor (Bl) (T x m)	32.00 T x m
	Effective moving mass (Mms)	296.0 g
	Equivalent Cas air loaded (Vas)	204.0 liters
	Effective piston area (Sd)	0.132 m2
	Max. linear excursion (Xmax)	17 mm
	Voice coil inductance @ 1kHz (Le1k)	3.40 mH
	Half-space efficency (Eff)	2.37%

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Mounting information	Overall diameter	480 mm / 18.9 inches
	Bolt circle diameter	460-462 mm / 18.11-18.19 inch
	Bolt hole diameter	7 mm / 0.28 inch
	Front mount baffle cut-out	446 mm / 17.56 inch
	Rear mount baffle cut-out	446 mm / 17.56 inch
	Volume occupied by the driver	10 liters / 0.39 ft3
Standard compliance	Safety agency	CE compliant
Size / Weight	Height	232 mm / 9.13 inches
	Diameter	480 mm / 18.9 inches
	Cut out diameter	446 mm / 17.56 inches
	Weight	10.2 kg / 22.49 lbs

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Line Art 2D

