



LN19S450

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Description The LN19S450 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 4.5-inch, 4-layer inside-outside voice coil with fiberglass former material. The ultra-long excursion moving mass (67mm/2.6" 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 LN19S450 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**
- › 4.5-inch Inside/Outside CCAW (copper-clad aluminum wire) voice coil
 - › 3400 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 11100182 LN19S450 8ohm



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TECHNICAL SPECIFICATIONS	
General specifications	Nominal Diameter
	19 inch / 483 mm
	Rated Impedance
	8 ohm
	Program Power (watt)
	3400 W
	Power handling capacity
	1700 W
	Sensitivity
	98.5 dB
	Frequency range
	25 - 1000 Hz
	Effective piston diameter
	410 mm / 16.14 inch
	Max. Excursion Before Damage
	72 mm / 2.83 inch
	Minimum Impedance (ohm)
	6.9 ohm
	Voice Coil Diameter
	4.5 inch / 114 mm
	Voice Coil Winding Material
	Aluminum
	Voice Coil Length
	45 mm / 1.77 inch
	Number of layers
	4
	Kind of layers
	inside/outside
Thiele - small parameters	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
	Resonance frequency (Fs)
	29 Hz
	DC resistance (Re) (ohm)
	4.70 ohm
Mounting information	Mechanical factor
	4.00 Qms
	Electrical factor
	0.21 Qes
	Total factor
	0.20 Qts
	Bl factor (Bl) (T x m)
	38.00 T x m
	Effective moving mass (Mms)
	355.0 g
Standard compliance	Equivalent Cas air loaded (Vas)
	222.0 liters
	Effective piston area (Sd)
	0.132 m2
	Max. linear excursion (Xmax)
	19 mm
	Voice coil inductance @ 1kHz (Le1k)
	4.40 mH
	Half-space efficiency (Eff)
	2.20%
Size	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
	11 liters / 0.43 ft3
	Safety agency
	CE compliant
	Height
	253.5 mm / 9.98 inches
	Diameter
	480 mm / 18.9 inches
	Cut out diameter
	446 mm / 17.56 inches
	Weight
	12.7 kg / 28 lbs



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Line Art 2D

