MODEL #: 533-WF04-01

21 INCH (533 MM) "VENTUNO" 1600 WATT SUBWOOFER

PART #: 93064

For ambitious pro-sound and high-end audio projects, choose the Oaktron 93064. This 21", high sensitivity subwoofer uses a 7 lb. ferrite magnet, an engineered paper cone with water resistance, dual conex spiders, push style spring terminals, and an m-roll style, treated cloth surround, to provide audio for stadiums, theaters, military bases, and even home-theaters -- if you've got the space. When you need to *feel* your audio as well as hear it, pick up the 93064 subwoofer.

- Subwoofer
- 21" (533 mm) basket diameter
- 800 watts, 4 ohms, 95 dB SPL
- 4" copper voice coil, nomex former
- Ferrite magnet, cast aluminum basket
- Paper cone, cloth surround

MISCO engineers test and analyze the performance of these speakers using the world's most sophisticated loudspeaker measurement systems including the Klippel Analyzer and the Klippel QC, which are used to validate final design. Oaktron by MISCO is the premium line of high performance, ready-to-ship transducers for a wide variety of applications including high fidelity, musical instrument, automotive and many more. From elegantly simple to highly specialized designs for unique and demanding applications, there is an Oaktron loudspeaker perfectly suited for your needs.



Primary Specifications

Size, Nominal (inch & mm)	21" (533 mm)
Rated Impedance (Ω)	4
Continuous Power (W)	800
Sensitivity (dB SPL) [1]	95
Frequency Range (Hz)	20 - 500
Resonant Frequency (Fs) (Hz) +/- 15%	32

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More Specifications

Application	High-End Audio and Home Theater, Home Audio, Indoor, Pro Sound
RoHS Compliant	Yes
DC Resistance (Re) (Ω)	3.7
Program Power (W)	1600
Continuous Power (W)	800

Small Signal Parameters

Nominal Impedance (Z) (Ω)	4
DC Resistance (Re) (Ω)	3.7
Voice Coil Inductance (Le) (mH)	1.47
Resonant Frequency (Fs) (Hz) +/- 15%	32
Mechanical Q Factor (Qms)	12.35
Electrical Q Factor (Qes)	0.55
Total Q Factor (Qts)	0.53
Moving Mass (Mms) (gm)	338.5
Suspension Compliance (Cms) (mm/N)	0.07
Mechanical Resistance (Rms) (kg/s)	5.51
Surface Area of Diaphragm (Sd) (cm^2)	1720.2
Compliance Equivalent Volume (Vas) (L)	306.90
Maximum Linear Excursion (Xmax) (mm)	6.2
Coil Winding Height (mm)	25.0
Magnetic Gap Height (mm)	12.7
Motor Force Factor (BL) (T•M)	21.3
Efficiency (η_0) (%)	1.74
Efficiency Bandwidth Product (EBP) (Fs/Qes)	58.0

Material Descriptions

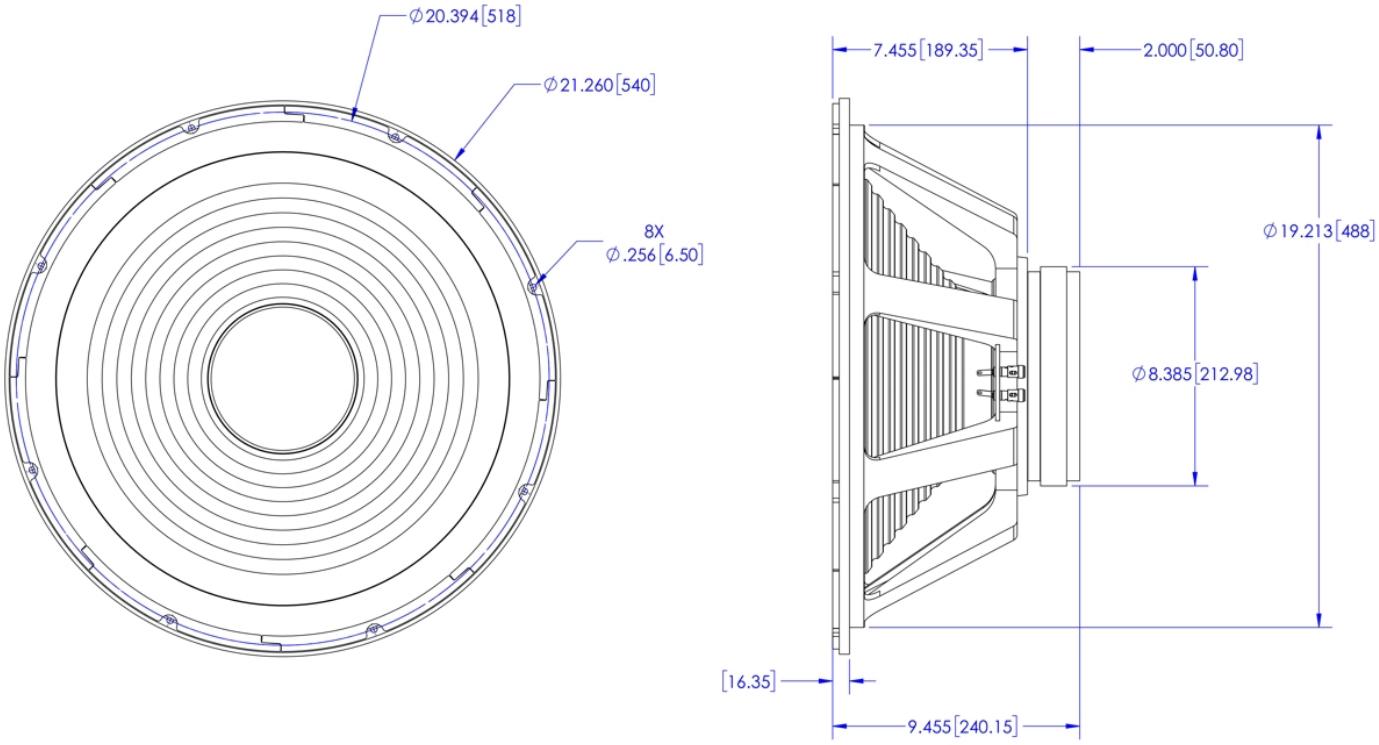
Basket Type	Cast aluminum, powder coat black finish
Terminal Size (mm)	Push style spring terminals
Voice Coil Diameter (mm)	100
Magnet Material	Ferrite
Magnet Weight (g)	3124
Cone Body Material	Engineered paper pulp with water-resistant lacquer treat
Cone Surround Material	Treated cloth, m-roll style

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Spider Material	Dual conex spiders
Dust Cap Material	Engineered paper pulp with water-resistant lacquer treat
Net Weight (kg)	13.15

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