COLOSSUS 18-1500



APPLICATION NOTES:

The Colossus 18-1500 is intended to be used by the serious sub-bass lover. This High output driver can be used singly or as part of a larger multiway system. It is suitable for loading in a variety of enclosures types since it allows enclosure designers considerably more freedom with specialised loading techniques without having to make allowances for physical characteristics or power handling limitations. The unit features a 4-inch four layer voice coil made of copper-cladaluminium wire immersed in a symmetric magnetic field and is centralised by using two (D.L) Suspensions in a dual alignment configuration to maintain ultra linearity and stability at extreme excursions. The curvilinear Polycellulose cone is reinforced with high strength Fibrillated Nylon fibres to resist deformation under extreme loads. This coupled with a large Xmax of 12.75mm ensures the driver will deliver rock solid sub bass at extraordinary high levels of excursion. The driver handles 1500 Watts (A.E.S) continuous and can cope with peaks in excess of 5700 watts. This is due to the advanced thermal management in the form of a vented die-cast chassis coupled with increased motor system and voice coil venting. The Colossus 18-1500 exhibits 97.5 dB sensitivity and has a working bandwidth of 25Hz to 200Hz.



PCD

ard

8 Ω 1500 (A.E.S) 25Hz - 300Hz 97.5dB 246 grams 7.5 Ω

15.19" / 386mm 1.5 litres

120 oz 0.59" / 15mm 1.0 Tesla 1.18" / 30 mm 186.34 ft / 56.8m

19 1" / 485 m Ove Fla Baf Baf Gas Fixi

nal Chassis Diameter

e Frequency Range tivity 1 w - 1m Ig Mass inc. Air Loa Jence Zm

k Disi

ne Vd

ic Ga n De ity

Winding Height e Coil Length

e Coil Diamete

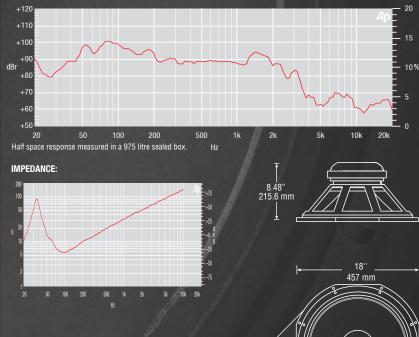
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dth Across Flats	18" / 457 mm
ange Height	0.465" / 11.8 mm
ffle Hole Diameter F/M	16.53" / 420 mm
ffle Hole Diameter R/M	16.33" / 414 mm
sket Supplied	Front & Rear
king Holes	8 x 7 diam on 468 PCI
	8 x 7 diam on 438.15 F
pth	8.48" / 215.8 mm
eight	Not Available
commended Enclosure	3.5-8.8 cu ft /
lume	100-250 Litres
lume Displaced by Driver	0.269 cu ft / 7.6 Litres
ipping Weight	37.25 lb / 16.9 kg
cking Carton Dimensions	485 x 485 x 276 mm

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Former Material Voice Coil Magnet Material Chassis Cone Surround / Edge Termination	Fibreglass Aluminium Ferrite Die-cast Aluminium Curvilinear Polycellulos Polyvinyl Damped Mult
Dust Dome	Roll HG poly/cotton Solid Paper
Connectors	Push-button Spring
	Terminals
Polarity	Positive Voltage at Rec Terminal Causes Forwa Motion of Cone

FREQUENCY RESPONSE DATA:



Res nn 79.7

Please inquire about alternative impedances.

- A.E.S. power handling test. Pink noise bandpass filtered at 12 dB per octave with cutoff frequencies of 30 Hz and 300 Hz. Driver mounted in free air, test signal applied at rated power for two hours. Driver shows no appreciable signs of damage after testing. Please note that the frequency response measurements are supplied
- for comparison only and are not a measure of the low frequency performance which may be achieved in a fully optimised system.