

18SW100

LF Drivers - 18 Inches

3000 W continuous program power capacity
 100 mm (4 in) split winding copper voice coil
 35 - 1000 Hz response
 97 dB sensitivity
 57 mm peak-to-peak excursion before damage
 Double silicone spider with optimized compliance
 Ventilated voice coil gap for reduced power compression
 Aluminium demodulating ring for very low distortion



Specification

Nominal Diameter	460 mm (18 in)
Nominal Impedance	8 ohm
Minimum Impedance	6.5 ohm
Continuous Power Handling	3000 W
Nominal Power Handling (AES)	1500 W
Sensitivity (1W/1m)	97 dB
Frequency Range	35 - 1000 Hz
Voice Coil Diameter	100 mm (4 in)
Winding Material	Copper
Former Material	Glass Fibre
Magnet Material	Neodymium Ring
Winding Depth	32 mm (1.26 in)
Magnetic Gap Depth	14 mm (0.55 in)
Flux Density	1.15 T

Design

Surround Shape	Triple Roll
Cone Shape	Radial
Magnet Type	Neodymium Ring
Spider	Double Silicone

Design

Pole Design	T-Pole
Recommended Enclosure vol	200 dm ³ (7.06 ft ³)
Recommended tuning freq.	33 Hz

Parameters

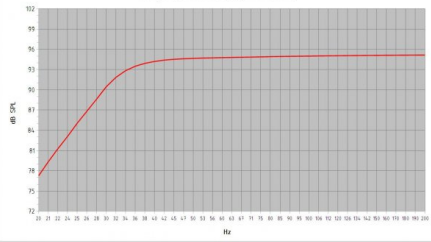
Fs	35 Hz
Re	5.3 ohm
Qes	0.4
Qms	5.9
Qts	0.38
Vas	180 dm ³ (6.3 ft ³)
Sd	1210 cm ² (187.6 in ²)
EtaZero	1.9 %
Xmax	+/- 12.5 mm
Xvar	+/- 16 mm
Mms	234 g
Bl	26.1 Txm
Le	2.2 mH
EBP	87 Hz

Mounting & Shipping

Overall Diameter	460 mm (18 in)
Bolt Circle Diameter	443 mm (17.44 in)
Baffle Cutout Diameter	422 mm (16.6 in)
Depth	239 mm (9.41 in)
Flange and Gasket Thickness	16 mm (0.63 in)
Air volume occupied by driver	10 dm ³ (0.35 ft ³)
Net Weight	10 kg (22 lb)
Shipping Weight	11.5 kg (25.3 lb)
Shipping Box	500x500x250 mm (19.7x19.7x9.8 in)

Service kit

Frequency Response (2,83 Vrms/1 m)



Model: **18 D2V 100**
 Enclosure Type: **Base Reflex**
 Internal Net Volume (Liters): **200**
 Tuning Frequency (Hz): **23**
 Frequency (-3 dB) (Hz): **22.7**
 Enclosure Limited Maximum SPL at 1 meter (dB): **122.8** equal to **84.5** Watts (Base Band Power Rating)
 Thermal Limited Maximum SPL at 1 meter (dB): **126.1** equal to **100.9** Watts (Max Allow Power Rating)