

21SW152

LF Drivers - 21 Inches

- 4000 W continuous program power capacity
- 153 mm (6 in) split winding copper voice coil
- 30 – 1000 Hz response
- 96 dB sensitivity
- 60 mm peak-to-peak excursion before damage
- Neodymium magnet allows a very high force factor and linear excursion
- Double silicone spider with optimized compliance
- Ventilated voice coil gap for reduced power compression
- Aluminium demodulating ring for very low distortion



Specification

Nominal Diameter	530 mm (21 in)
Nominal Impedance	4 ohm
Minimum Impedance	4.2 ohm
Continuous Power Handling	4000 W
Nominal Power Handling (AES)	2000 W
Sensitivity (1W/1m)	96 dB
Frequency Range	30 - 1000 Hz
Voice Coil Diameter	153 mm (6 in)
Winding Material	Copper
Former Material	Glass Fibre
Magnet Material	Neodymium Ring
Winding Depth	30 mm (1.18 in)
Magnetic Gap Depth	12 mm (0.5 in)
Flux Density	1.2 T

Parameters

Fs	32 Hz
Re	3.4 ohm
Qes	0.31

Parameters

Qms	7
Qts	0.3
Vas	200 dm3 (7 ft3)
Sd	1680 cm2 (260.4 in2)
EtaZero	2.2 %
Xmax	+ - 15 mm
Xvar	+ - 16 mm
Mms	460 g
Bl	32.5 Txm
Le	1.5 mH

Mounting & Shipping

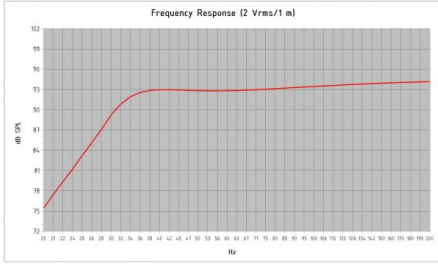
Overall Diameter	547 mm (21.5 in)
Bolt Circle Diameter	527 mm (20.7 in)
Baffle Cutout Diameter	508 mm (20 in)
Depth	261 mm (10.3 in)
Flange and Gasket Thickness	0.63 mm (16 in)

Mounting & Shipping

Air volume occupied by driver	16 dm3 (0.56 ft3)
Net Weight	18.5 kg (40.7 lb)
Shipping Weight	20.9 kg (46 lb)
Shipping Box	590x590x300 mm (23.2x23.2x11.8 in)

Design

Surround Shape	Triple Roll
Cone Shape	Radial
Magnet Type	Neodymium Ring
Spider	Double Silicone
Pole Design	T-Pole
Woofer Cone Treatment	TWP Waterproof – Both Sides
Recommended Enclosure volume	190 dm3 (6.71 ft3)
Recommended tuning frequency	33 Hz



Model: **21 SW 152**
Excitator Type: **Basin Reflex**
Internal Net Volume (L/m³): **190** Pist Area (cm²): **482.8**
Firing Frequency (Hz): **22** Pist Length (mm): **65.6**
Frequency (2 kHz) (Hz): **23.2**
Excursion Limited Maximum SPL at 1 meter (dB): **126.7** equal to **1923.6** Watts (Bass Band Power Rating)
Thermal Limited Maximum SPL at 1 meter (dB): **122.7** equal to **2000.0** Watts (Mid Band Power Rating)