

# 21SW152

## LF Drivers - 21.0 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



### Specifications

Nominal diameter	530 mm (21.0 in)
Nominal impedance	4 Ω
Minimum impedance	4.2 Ω
Nominal power handling <sup>1</sup>	2000 W
Continuous power handling <sup>2</sup>	4000 W
Sensitivity (1W/1m) <sup>3</sup>	96.0 dB
Frequency range	30 - 1000 Hz
Voice coil diameter	153 mm (6.0 in)
Winding material	Copper
Former material	Glass Fibre
Winding depth	30 mm (1.18 in)
Magnetic gap depth	12 mm (0.5 in)
Flux density	1.2 T

### Design

Surround shape	Triple Roll
Cone shape	Radial
Magnet material	Neodymium Inside Slug

### Design

Spider	Double Silicone
Pole design	T-Pole
Woofer cone treatment	TWP Waterproof Both Sides
Recommended enclosure	190.0 dm <sup>3</sup> (6.71 ft <sup>3</sup> )
Recommended tuning	33 Hz

### Parameters<sup>4</sup>

Fs	32 Hz
Re	3.3 Ω
Qes	0.31
Qms	7.0
Qts	0.3
Vas	200.0 dm <sup>3</sup> (7.0 ft <sup>3</sup> )
Sd	1680.0 cm <sup>2</sup> (260.4 in <sup>2</sup> )
η <sub>o</sub>	2.2 %
Xmax	15.0 mm
Xvar	16.0 mm
Mms	460 g
Bl	32.5 Txm

### Parameters

Le	1.5 mH
EBP	103 Hz

### Mounting And Shipping Info

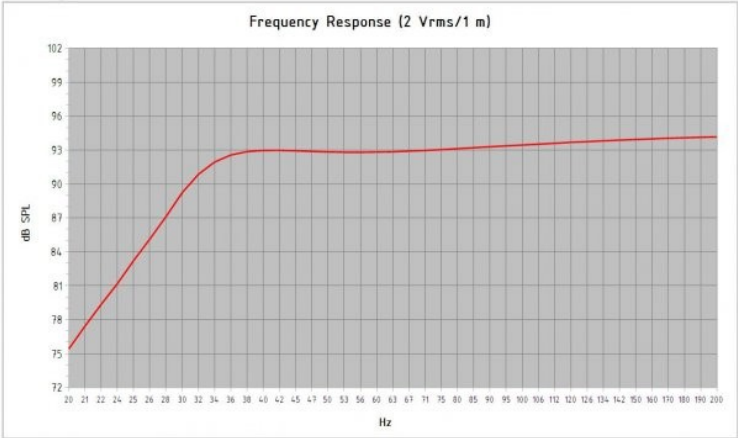
Overall diameter	547 mm (21.5 in)
Bolt circle diameter	527 mm (20.7 in)
Baffle cutout diameter	508.0 mm (20.0 in)
Depth	261 mm (10.3 in)
Flange and gasket thickness	16 mm (0.63 in)
Air volume occupied by driver	16.0 dm <sup>3</sup> (0.56 ft <sup>3</sup> )
Net weight	18.5 kg (40.7 lb)
Shipping units	1
Shipping weight	20.9 kg (46.0 lb)
Shipping box	590x590x300 mm (23.2x23.2x11.8 in)

### Service Kit

RCK21SW1524
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1. 2 hours test made with continuous pink noise signal (6 dB crest factor) within the range Fs-10Fs. Power calculated on rated minimum impedance. Loudspeaker in free air.  
 2. Power on Continuous Program is defined as 3 dB greater than the Nominal rating.

3. Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.  
 4. Thiele-Small parameters are measured after a high level 20 Hz sine wave preconditioning test.



Model: **21 SW 152**  
Enclosure Type: **Bass Reflex**

Internal Net Volume (Liters):	<b>190</b>	Port Area (cm <sup>2</sup> ):	<b>492.8</b>
Tuning Frequency (Hz):	<b>33</b>	Port Length (cm):	<b>48.6</b>
Frequency (-3 dB) (Hz):	<b>33.2</b>		

Excursion Limited Maximum SPL at 1 meter (dB): **126.7** equal to **1563.6** Watts (Bass Band Power Rating)  
Thermal Limited Maximum SPL at 1 meter (dB): **127.7** equal to **2000.0** Watts (Mid Band Power Rating)