15PS100
LF Drivers FE - 15.0 Inches

1400 W continuous program power capacity
100 mm (4 in) copper voice coil
35 - 1000 Hz response
94.5 dB sensitivity
Double silicone spider with optimized compliance

Specifications

Nominal diameter	380 mm (15.0 in)
Nominal impedance	8 Ω
Minimum impedance	6.5 Ω
Nominal power handling[1]	700 W
Continuous power handling[2]	1400 W
Sensitivity (1W/1m)[3]	94.0 dB
Frequency range	35 - 1000 Hz
Voice coil diameter	100 mm (4.0 in)
Winding material	Copper
Former material	Glass Fibre
Winding depth	21 mm (0.83 in)
Magnetic gap depth	11 mm (0.4 in)
Flux density	1.05 T

Design

Surround shape	Triple Roll
Cone shape	Radial
Magnet material	Ceramic

Design

Spider	Double Silicone
Pole design	T-Pole
Woofer cone treatment	TWP Waterproof Both Sides
Recommended enclosure	100.0 dm^3 (3.53 ft^3)
Recommended tuning	40 Hz

Parameters[4]

Fs	33 Hz
Re	5 Ω
Qes	0.33
Qms	4.8
Qts	0.31
Vas	152.0 dm^3 (5.3 ft^3)
Sd	855.0 cm^2 (132.5 in^2)
η_0	1.8 %
Xmax	8.0 mm
Xvar	8.0 mm
Mms	145 g
Bl	22.5 Txm

Parameters

Le	2.1 mH
EBP	100 Hz

Mounting And Shipping Info

Overall diameter	393 mm (26.6 in)
Bolt circle diameter	374 mm (14.7 in)
Baffle cutout diameter	354.0 mm (13.9 in)
Depth	168 mm (6.6 in)
Flange and gasket thickness	16 mm (0.62 in)
Air volume occupied by driver	6.3 dm^3 (0.22 ft^3)
Net weight	9.8 kg (11.1 lb)
Shipping weight	11.1 kg (24.4 lb)
Shipping box	420x420x200 mm (16.5x16.5x7.9 in)

Service Kit

Replacement diaphragm	RCK15PS1008

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.

Frequency Response (2,83 Vrms/1 m)
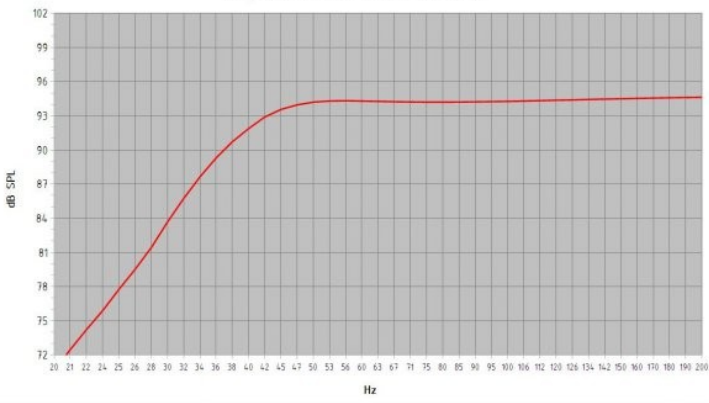
Model:	**15 PS 100**				
Enclosure Type:	**Bass Reflex**				

Internal Net Volume (Liters):	**100**			
Tuning Frequency (Hz):	**40**	Port Area (cm²):	**222,3**	
Frequency (-3 dB) (Hz):	**40,0**	Port Length (cm):	**27,1**	

Excursion Limited Maximum SPL at 1 meter (dB):	**118,0**	equal to	**254,3**	Watts	(Bass Band Power Rating)
Thermal Limited Maximum SPL at 1 meter (dB):	**122,4**	equal to	**700,0**	Watts	(Mid Band Power Rating)