

18PZB100

LF Drivers - 18.0 Inches



1400 W continuous program power capacity
100 mm (4 in) copper voice coil
40 - 2000 Hz response
97 dB sensitivity
Double silicone spider with optimized compliance

Specifications

Nominal diameter	460 mm (18.0 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]	97.0 dB
Frequency range	40 - 2000 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	8 mm (0.31 in)
Flux density	1.15 T

Design

Surround shape	Double Roll
Cone shape	Exponential
Magnet material	Ferrite

Design

Spider	Double Silicone
Pole design	Straight Pole
Woofer cone treatment	TWP Waterproof Both Sides
Recommended enclosure	160.0 dm^3 (5.65 ft^3)
Recommended tuning	39 Hz

Parameters[4]

Fs	30 Hz
Re	5.3 Ω
Qes	0.25
Qms	8.8
Qts	0.24
Vas	297.0 dm^3 (10.5 ft^3)
Sd	1134.0 cm^2 (175.8 in^2)
η_0	3.1 %
Xmax	8.0 mm
Xvar	8.0 mm
Mms	170 g
Bl	26.0 Txm

Parameters

Le	2.1 mH
EBP	120 Hz

Mounting And Shipping Info

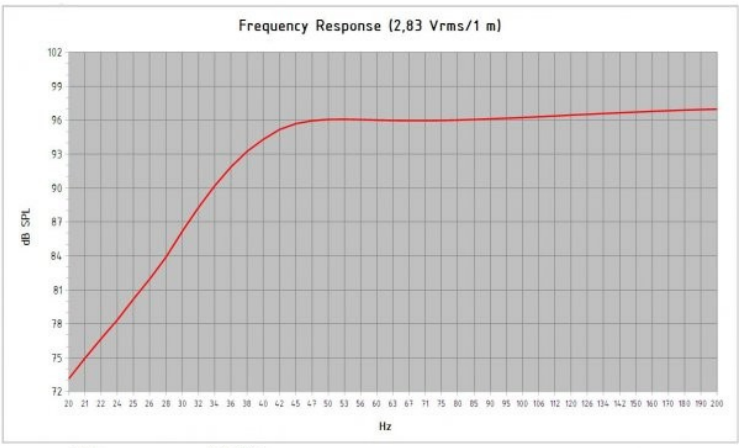
Overall diameter	480 mm (18.0 in)
Bolt circle diameter	440 mm (17.3 in)
Baffle cutout diameter	422.0 mm (16.6 in)
Depth	202 mm (7.95 in)
Flange and gasket thickness	16 mm (0.62 in)
Air volume occupied by driver	9.5 dm^3 (0.33 ft^3)
Net weight	12.1 kg (26.6 lb)
Shipping units	1
Shipping weight	14.0 kg (30.8 lb)
Shipping box	520x520x240 mm (20.5x20.5x9.4 in)

Service Kit

RCK18PZB1008

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.

B&C SPEAKERS



Model:	***18 PZB 100***
Enclosure Type:	***Bass Reflex***

Internal Net Volume (Liters):	***160***		
Tuning Frequency (Hz):	***39***	*Port Area (cm²):*	***339,6***
Frequency (-3 dB) (Hz):	***40,3***	*Port Length (cm):*	***23,8***

Excursion Limited Maximum SPL at 1 meter (dB):	***120,6***	*equal to*	***256,1***	*Watts*	*(Bass Band Power Rating)*
Thermal Limited Maximum SPL at 1 meter (dB):	***125,0***	*equal to*	***700,0***	*Watts*	*(Mid Band Power Rating)*