







## **18NW100** LF Drivers - 18.0 Inches

2400 W continuous program power capacity 100 mm (4 in) copper voice coil 35 - 1000 Hz response 98 dB sensitivity FEA optimized Neodymium magnet assembly Double silicone spider with optimized compliance Ventilated voice coil gap for reduced power compression

Specifications		Design		Parameters	
Nominal diameter	460 mm (18.0 in)	Spider	Double Silicone	Le	1.7 mH
Nominal impedance	8 Ω	Pole design	T-Pole	EBP	114 Hz
Minimum impedance	6.3 Ω	Woofer cone	TWP Waterproof Both		
Nominal power handling <sup>1</sup>	1200 W	treatment	Sides	Mounting And Shipping Info	
Continuous power	2400 W	Recommended enclosure	160.0 dm <sup>3</sup> (5.65 ft <sup>3</sup> )	Overall diameter	460 mm (18.0 in)
handling <sup>2</sup>	2400 11	Recommended tuning	37 Hz	Bolt circle diameter	440 mm (17.3 in)
Sensitivity (1W/1m) <sup>3</sup>	98.0 dB			Baffle cutout	422.0 mm (16.6 in)
Frequency range	35 - 1000 Hz	Parameters <sup>4</sup>		diameter	. ,
Voice coil diameter	100 mm (4.0 in)		21.11-	Depth	209 mm (8.2 in)
Winding material	Copper	Fs	31 Hz 5.1 Ω	Flange and gasket thickness	16 mm (0.62 in)
Former material	Glass Fibre		-	Air volume occupied	
Winding depth	25 mm (1.0 in)	Qes	0.27	by driver	8.5 dm <sup>3</sup> (0.3 ft <sup>3</sup> )
Magnetic gap depth	12 mm (0.5 in)	Qms	4.2	Net weight	9.3 kg (20.5 lb)
Flux density	1.2 T	Qts	0.26	Shipping weight	10.8 kg (23.8 lb)
		Vas	252.0 dm <sup>3</sup> (8.9 ft <sup>3</sup> )	Shipping box	500x500x250 mm
Design		Sd	1210.0 cm <sup>2</sup> (187.6 in <sup>2</sup> )		(19.7x19.7x9.8 in)
Design	Trials Dall	ηο	2.7 %		
Surround shape	Triple Roll	Xmax	9.0 mm	Service Kit	
Cone shape	Radial	Xvar	11.0 mm	RCK18NW1008	
Magnet material	Neodymium Inside Slug	Mms	211 g		
		BI	28.0 Txm		

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.
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.

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