



PRODUCT SPECIFICATION SHEET

GM18-1800N

General Specifications

Type	<input type="checkbox"/>	Co-Axial	<input checked="" type="checkbox"/>	Woofers
Nominal Diameter	18	inch	457.2	mm
Rated Impedance	8	Ω		
Power Handling Capacity	1800	W(AES)		
Operating Bandwidth (± 10 dB)	35-1500	Hz		
Sensitivity @ 1W 1M	97	dB		
Effective Piston Diameter	395.0	mm	15.6	inch
Voice Coil Diameter	114.4	mm	4.5	inch

Physical Information

Magnet	Type	Neo		
	Size (mm)	113	40	17
	Weight	38.4 oz.		
Basket	Material	Aluminium		
	Color	Black		
Voice Coil	Wire	HML (inside/outside)		
	Former	GSV		
Cone		Paper		
Surround		Cloth		
Dust Cap		Paper		
Spider		Double Silicone		
Gasket		EVA		
Unit Weight	(kg)	12.1		
Packing Quantity		1		
size	(mm)	505	505	305
	(inch)	19.9	19.9	12.0
	cu.ft	2.75	Gross Weight	14.8 kg

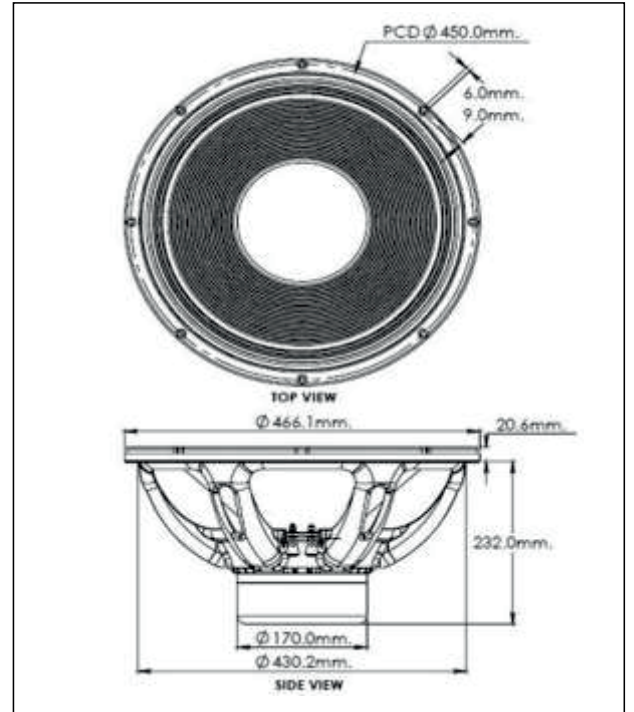


Physical Diameter

Overall Diameter	466.1	mm	18.4	inch
Baffle Cutout Diameter	430.2	mm	16.9	inch
Mouting Hole Diameter	450.0	mm	17.7	inch
Bolt Circle Diameter	8 x ϕ 6.0 mm			
Depth	232.0	mm	9.1	inch

Thiele - Small Parameters

Resonance Frequency	F_s	32	Hz
DC Resistance	R_e	5.3	Ω
Mechanical Q Factor	Q_{ms}	5.6	
Electrical Q Factor	Q_{es}	0.32	
Total Q Factor	Q_{ts}	0.3	
BL Factor	BL	30.3	T x m
Moving mass including surround	M_{ms}	275.0	g
Moving mass excluding surround	M_{md}	263.67	g
Equivalent Cas air load	V_{as}	187.0	liters
Effective piston area	S_d	1210.0	cm ²
Voice - coil inductance @ 1KHz	L_e	1.9	mH
Half-space efficiency	Eff	1.61	%
Mechanical compliance	C_{ms}	5.4 e-05	m/N
Loss resistance of suspension	R_{ms}	5.56	Ns/m
Voice Coil Over-Hung	X_{max}	14.0	mm
Airgap Height	H_{ag}	13.5	mm
Voice coil Height	H_{vc}	33.0	mm



Frequency Response

