

P-SERIES

P120/100MW (MID & BASS TRANSDUCER)

GENERAL SPECIFICATIONS

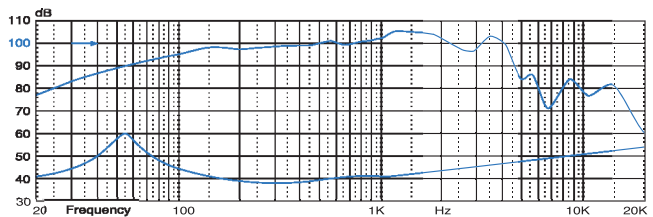
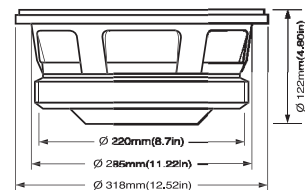
Power Rating	300~600	Watts
Nominal Chassis Diameter	305	mm (12 in)
Nominal Impedance	4~8	ohm
Sensitivity (1w/1m)	100	dB
Magnet Weight	2.85	Kg (100.55 oz)

THIELE - SMALL PARAMETERS

Resonant Frequency	Fs	55	Hz
Impedance	Re	6.2	Ω
Electromagnetic Q	Qes	0.29	
Mechanical Q	Qms	4.52	
Total Q	Qts	0.27	
Compliance Equivalent Volume	VAS	61.58	Litr
Surface Area of Cone	Sd	530	cm ²
Reference Efficiency	η_0	3.4	%
Voice Coil Overhang	Xmax	0.75	mm
Diaphragm Mass inc Airlod	Mms	53.36	Gram
Bl Product	BL	19.66	TM
Coil Inductance	Le	0.5	mH
Voice coil Diameter		99.3	mm (3.91 in)
Voice coil Winding Material		Edge wound copper clad aluminium wire	

PHYSICAL INFORMATION

Basket	Cast Aluminium		
Magnet Type, Size ODxDxH (mm)	220 x 110 x 20	Ferrite	100.5 oz
Voice Coil Former	Kapton 400°C		
Voice Coil Material	Aluminium Flat Wire 300°C		
Cone Material	Pulp Paper		
Surround	Treated Cloth		
Spider	Cotton Blen Polyester		
Dust Cap	Paper Dust Cap		
Unit Weight	9.8 kgs (21.56Lb)	Gross Weight	10.6kgs (23.32Lb)
Packing Dimension WxLxH (mm)	360 x 360 x 185		
	14.2in X 14.2 X 7.3in		
	0.85 Cu.Ft.		



P120/120MB (MID & BASS TRANSDUCER)

GENERAL SPECIFICATIONS

Nominal Diameter	305	mm	12	Inch
Rated Impedance	8	Ω		
Power Handling Capacity	300	Watts		
Sensitivity 2.83 V, 1M	95.6	dB		
Effective Piston Diameter	255	mm	10.0	Inch
Voice Coil Diameter	99.30	mm	4	Inch

THIELE - SMALL PARAMETERS

Resonance Frequency	Fs	9.7	Hz
DC Resistance	Re	6.6	Ω
Mechanical Q Factor	Qms	3.422	
Electrical Q Factor	Qes	0.435	
Total Q Factor	Qts	0.386	
BL Factor	BL	17.42	TM
Effective Moving Mass	Mms	53.36	gr
Equivalent Cas Air load	Vas	49.06	liters
Effective Piston Area	Sd	0.0510	m ²
Voice - Coil inductance @ 1KHz	Le	0.54	mH
Half-Space Efficiency	Eff	2.32	%
Airgap Height	Hag	7.0	mm
Voice Coil Height	Hvc	8.0	mm
Voice Coil Over-Hung	Xmax	0.5	mm

PHYSICAL INFORMATION

Basket	Cast Aluminium		
Magnet Type, Size ODxDxH (mm)	220 x 110 x 20	Ferrite	100.5 oz
Voice Coil Former	Kapton 400°C		
Voice Coil Material	Aluminium Flat Wire 300°C		
Cone Material	Pulp Paper		
Surround	Treated Cloth		
Spider	Cotton Blen Polyester		
Dust Cap	Aluminum cap		
Unit Weight	9.8 kgs (21.56Lb)	Gross Weight	10.6kgs (23.32Lb)
Packing Dimension WxLxH (mm)	360 x 360 x 185		
	14.2in X 14.2 X 7.3in		
	0.85 Cu.Ft.		

