

## GTS 2100 Series Features

	GTS 2112 S4	GTS 2112 S2	GTS 2110 S4	GTS 2110 S2
Low-profile, Hex-Delta basket featuring "FAB-RAC" thermal management.	Yes	Yes	Yes	Yes
CNC machined, 2.1-inch motor featuring forged, low-carbon 1008 steel parts.	Yes	Yes	Yes	Yes
FEA designed motor with monolithic back-plate and blackbody top-plate.	Yes	Yes	Yes	Yes
Exotic, Aluminum Flux-Stabilization Device ("FSD") controls inductance.	Yes	Yes	Yes	Yes
Premium, pure Copper single voice coil provides high thermal stability.	Yes	Yes	Yes	Yes
High modulus, low-mass Composite Laminated Sandwich ("CLS") cone.	Yes	Yes	Yes	Yes
Large diameter, flat, progressive-roll spider insures very linear damping.	Yes	Yes	Yes	Yes
Premium NBR rubber surround provides up to 2-inches of total excursion.	Yes	Yes	Yes	Yes

## Technical Specifications

Parameter		GTS 2112 S4	GTS 2112 S2	GTS 2110 S4	GTS 2110 S2
Nominal Diameter	Diameter	12" / 300 mm	12" / 300 mm	10" / 250 mm	10" / 250 mm
Recommended Amplifier Power Range (max)	Pmax	200 - 900 watts	200 - 900 watts	200 - 800 watts	200 - 800 watts
Power Handling Watts (RMS continuous)	Pt	450	450	400	400
Force Factor (Tesla-M)	Bl	14.5	10.9	13.05	10.4
Motor Force	Bl <sup>2</sup> /Re	59.6	66.7	54.4	60.0
Linear Excursion (70% Bl / one-way)	Xmax	12.2 mm	12.2 mm	12.2 mm	12.2 mm
Maximum Excursion (peak-to-peak)	Xmech	2.1"	2.1"	1.80"	1.80"
Voice Coil Diameter	Dvc	2.1" / 53 mm	2.1" / 53 mm	2.1" / 53 mm	2.1" / 53 mm
Magnet Structure (diameter / mass)	mm / oz.	150 / 50 oz.	150 / 50 oz.	150 / 50 oz.	150 / 50 oz.
Energy Bandwidth Product	EBP	37.7	38.5	40.6	39.4
Frequency Response (In-Car)	F3	10 - 500 Hz.	10 - 500 Hz.	15 - 800 Hz.	15 - 800 Hz.
Installation Diameter (gasket ID)	cutout hole	11.0" / 280 mm	11.0" / 280 mm	9.2" / 234 mm	9.2" / 234 mm
Mounting Depth (total)	top-mount	5.4" / 137 mm	5.4" / 137 mm	4.5" / 116 mm	4.5" / 116 mm
Net Weight	Lbs. / kg	12.0 / 5.5	12.0 / 5.5	11.0 / 5.0	11.0 / 5.0

## Thiele-Small Parameters

Parameter		GTS 2112 S4	GTS 2112 S2	GTS 2110 S4	GTS 2110 S2
Resonant Frequency	Fs	26 Hz.	25 Hz.	28 Hz.	26 Hz.
Equivalent Air Volume	Vas	50.7 L	51.6 L	25.5 L	26.0 L
Electrical Q	Qes	0.69	0.65	0.69	0.66
Mechanical Q	Qms	4.05	4.10	4.20	4.29
Total Damping Q	Qts	0.60	0.56	0.59	0.57
Effective Cone Area (sq. in / cm <sup>2</sup> )	Sd	77.4 / 499	77.4 / 499	53.6 / 346	53.6 / 346
Voice Coil DC Resistance (DCR)	Re	3.1 ohms	1.8 ohms	3.1 ohms	1.8 ohms
Suspension Compliance (mm/Newton)	Cms	0.145	0.150	0.150	0.154
Nominal Impedance	Znom	4 ohm	2 ohm	4 ohm	2 ohm
Voice Coil Inductance (1 kHz)	Le	2.9 mH	2.5 mH	2.9 mH	2.5 mH
Effective Moving Mass (grams)	Mms	251.0 g	277.0 g	213.0	239.0
Reference Efficiency ( % )	No	0.202	0.210	0.160	0.140

## Additional Data / Applications

Minimum Sealed Enclosure (cu. ft. / liters) (Recommend adding half-pound of fiberfill)	( Vb )	.75 / 21 L	.75 / 21 L	.45 / 13 L	.45 / 13 L
Suggested Vented/Bass-Reflex Enclosure *	( F3 )	<i>NOT recommended for Infinite-baffle applications systems.</i> <i>* Optimal enclosure designs and alignments are available at <a href="http://Audiomobile.net">Audiomobile.net</a></i>			