



	Premier 820F	Premier 720F	Premier 620C	Premier 520LCR	Premier 220B	Premier 120B
DESIGN	4-driver, 3-way ported floor-standing speaker with AL-MAC, AL-MAG, Carbon-X, OSW™, and PPA™	4-driver, 3-way ported floor-standing speaker with AL-MAC, AL-MAG, Carbon-X, OSW™, and PPA™	4-driver, 2-passive radiator, 3-way sealed center channel speaker with AL-MAC, AL-MAG, Carbon-X, OSW™, and PPA™	4-driver, 3-way sealed LCR speaker with AL-MAC, AL-MAG, Carbon-X, OSW™, and PPA™	2-driver, 2-way ported bookshelf with AL-MAC, AL-MAG, OSW™, and PPA™	2-driver, 2-way ported bookshelf with AL-MAC, AL-MAG, OSW™, and PPA™
CROSSOVER	2nd Order Electro-acoustic at 1.8kHz (tweeter/midrange) 2nd Order Electro-acoustic at 450Hz (midrange/woofer)	2nd Order Electro-acoustic at 1.3kHz (tweeter/midrange) 2nd Order Electro-acoustic at 500Hz (midrange/woofer)	2nd Order Electro-acoustic at 1.7kHz (tweeter/midrange) 2nd Order Electro-acoustic at 750Hz (midrange/woofer)	2nd Order Electro-acoustic at 1.5kHz (tweeter/midrange) 2nd Order Electro-acoustic at 650Hz (midrange/woofer)	2nd Order Electro-acoustic at 1.1kHz (tweeter/midwoofer)	2nd Order Electro-acoustic at 1.2kHz (tweeter/midwoofer)
HIGH-FREQUENCY DRIVER	1" (25mm) AL-MAC™ Ceramic Dome with Oblate Spheroid Waveguide (OSW™) and Perforated Phase-Aligning (PPA™) Tweeter Lens, ferro-fluid damped / cooled	1" (25mm) AL-MAC™ Ceramic Dome with Oblate Spheroid Waveguide (OSW™) and Perforated Phase-Aligning (PPA™) Tweeter Lens, ferro-fluid damped / cooled	1" (25mm) AL-MAC™ Ceramic Dome with Oblate Spheroid Waveguide (OSW™) and Perforated Phase-Aligning (PPA™) Tweeter Lens, ferro-fluid damped / cooled	1" (25mm) AL-MAC™ Ceramic Dome with Oblate Spheroid Waveguide (OSW™) and Perforated Phase-Aligning (PPA™) Tweeter Lens, ferro-fluid damped / cooled	1" (25mm) AL-MAC™ Ceramic Dome with Oblate Spheroid Waveguide (OSW™) and Perforated Phase-Aligning (PPA™) Tweeter Lens, ferro-fluid damped / cooled	1" (25mm) AL-MAC™ Ceramic Dome with Oblate Spheroid Waveguide (OSW™) and Perforated Phase-Aligning (PPA™) Tweeter Lens, ferro-fluid damped / cooled
MID FREQUENCY DRIVER	6" (152mm) AL-MAG™ Cone with Perforated Phase-Aligning (PPA™) Lens, and a 2" high-temp multi-layered voice coil with ventilated Apical™ former	6" (152mm) AL-MAG™ Cone with Perforated Phase-Aligning (PPA™) Lens, and a 2" high-temp multi-layered voice coil with ventilated Apical™ former	Coaxial 6" (152mm) AL-MAG™ Cone, a 2" high-temp multi-layered voice coil with Apical™ former, Patented Dual-Sync™ Continuous Flux Motor	Coaxial 6" (152mm) AL-MAG™ Cone, a 2" high-temp multi-layered voice coil with Apical™ former, Patented Dual-Sync™ Continuous Flux Motor	--	--
MID/BASS FREQUENCY DRIVER	--	--	--	--	6" (152mm) Ultra-High-Excursion AL-MAG™ Cone with Perforated Phase-Aligning (PPA™) Lens, Gen3 Active Ridge Technology (ART™) with Vertical Mounting System, and a 1" high-temp multi-layered voice coil with ventilated Apical™ former	5.5" (140mm) Ultra-High-Excursion AL-MAG™ Cone with Perforated Phase-Aligning (PPA™) Lens, Gen3 Active Ridge Technology (ART™) with Vertical Mounting System, and a 1" high-temp multi-layered voice coil with ventilated Apical™ former
BASS FREQUENCY DRIVER	Two 7" (177mm) Ultra-High-Excursion CARBON-X™ Unibody Cone, Gen3 Active Ridge Technology (ART™) with Vertical Mounting System, and a 1" high-temp multi-layered voice coil with ventilated Apical™ former	Two 6" (152mm) Ultra-High-Excursion CARBON-X™ Unibody Cone, Gen3 Active Ridge Technology (ART™) with Vertical Mounting System, and a 1" high-temp multi-layered voice coil with ventilated Apical™ former	Two 7" (177mm) Ultra-High-Excursion CARBON-X™ Unibody Cone, Gen3 Active Ridge Technology (ART™) with Vertical Mounting System, and a 1" high-temp multi-layered voice coil with ventilated Apical™ former	Two 6" (152mm) Ultra-High-Excursion CARBON-X™ Unibody Cone, Gen3 Active Ridge Technology (ART™) with Vertical Mounting System, and a 1" high-temp multi-layered voice coil with ventilated Apical™ former	--	--
PASSIVE RADIATOR	--	--	Two 7" (177mm) Ultra-High-Excursion CARBON-X™ Unibody Passive Radiators with Gen3 Active Ridge Technology (ART™) and Vertical Mounting System	--	--	--
FREQUENCY RESPONSE ON-AXIS	±3dB from 52Hz - 23kHz	±3dB from 55Hz - 23kHz	±3dB from 49Hz - 23kHz	±3dB from 75Hz - 23kHz	±3dB from 58Hz - 23kHz	±3dB from 62Hz - 23kHz
FREQUENCY RESPONSE 30° OFF-AXIS	±3dB from 52Hz - 20kHz	±3dB from 55Hz - 20kHz	±3dB from 49Hz - 20kHz	±3dB from 75Hz - 20kHz	±3dB from 58Hz - 20kHz	±3dB from 62Hz - 20kHz
LOW FREQUENCY EXTENSION**	21Hz (DIN)	27Hz (DIN)	33Hz (DIN)	50Hz (DIN)	36Hz (DIN)	39 Hz (DIN)
SENSITIVITY ROOM / ANECHOIC	93dB / 90dB	92dB / 89dB	93dB / 90dB	93dB / 90dB	91dB / 88dB	90dB / 87dB
SUITABLE AMPLIFIER POWER RANGE	15 - 250 Watts	15 - 220 Watts	15 - 180 Watts	15-120 Watts	15 - 130 Watts	15 - 130 Watts
MAXIMUM INPUT POWER†	180 Watts	180 Watts	120 Watts	80 Watts	80 Watts	70 Watts
IMPEDANCE	Compatible with 8 ohms	Compatible with 8 ohms	Compatible with 8 ohms	Compatible with 8 ohms	Compatible with 8 ohms	Compatible with 8 ohms
WEIGHT	65 lbs (29.5 kg) each	57.3 lbs (26 kg) each	48.1 lbs (21.8 kg) each	31.1 lbs (14.1 kg) each	20.1 lbs (9.1 kg) each	16.3 lbs (7.4 kg) each
DIMENSIONS (h x w x d)*	43.4" x 13.1" x 18.6" (110.2 cm x 33.3 cm x 47.2 cm)	39.6" x 12.5" x 17" (100.6 cm x 31.8 cm x 43.2 cm)	8.9" x 41" x 13.7" (22.6 cm x 104.1 cm x 34.8 cm)	8.3" x 23.4" x 12" (21.1 cm x 59.4 cm x 30.5 cm)	14.6" x 8.3" x 12.9" (37.1 cm x 21.1 cm x 32.8 cm)	12" x 7" x 12.1" (30.5 cm x 17.8 cm x 30.7 cm)
FINISHES	Piano Black, Black Walnut, Walnut	Piano Black, Black Walnut, Walnut	Piano Black, Black Walnut, Walnut	Piano Black, Black Walnut, Walnut, Satin White	Piano Black, Black Walnut, Walnut	Piano Black, Black Walnut, Walnut, Satin White

All specifications are subject to change without notice. * Includes grille and terminal posts for all models. Includes feet with rubber pads on Premier 820F and 720F. Includes isolation pads for all other models. ** DIN 45 500. Indicates -3 dB in a typical listening room. †With typical program source provided the amplifier clips no more than 10% of the time.