



ESSEX PIANO SPECIFICATIONS

Essex PIANO
DESIGNED BY STEINWAY & SONS®

ESSEX PIANO FEATURES OF DISTINCTION

Designed by Steinway & Sons, the Essex incorporates the latest design and engineering enhancements from Steinway's dedicated research and development team. By utilizing specially engineered materials, large-scale production techniques, and carefully selected manufacturing environments, the Essex is able to deliver a level of musical performance previously unattainable in its price range.

Due to the Steinway-designed rim shape, Essex grand pianos are wider at the tail than most other pianos of the same length. This allows for a larger soundboard area, producing a richer sound. The Steinway-designed soundboard is tapered, rather than uniformly thick, to vibrate more freely and provide more tonal volume. Essex pianos have a Steinway-designed, all wood (no plastic)

action for proven durability and heightened responsiveness and control. In addition, every Essex piano features a Steinway-designed pinblock, strings, plate, backposts/braces, and bridges as well as many Steinway-specified parts and techniques of manufacture. As a result, the Essex is, quite simply, the best piano available in its price range today.



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Essex Piano Specifications

MODEL	EGP (APPLICABLE TO ALL GRANDS)	EGP-173	EGP-155	EUP (APPLICABLE TO ALL UPRIGHTS)	EUP-123	EUP-116	EUP-111	EUP-108
DIMENSIONS								
HEIGHT		100 cm (39 1/4")	100 cm (39 1/4")		123 cm (48 1/2")	116 to 118 cm (45 1/2" to 46 1/4")	111 cm (43 3/4")	108 cm (42 1/2")
LENGTH		173 cm (5' 8")	155 cm (5' 1")					
WIDTH		151 cm (59 1/4")	151 cm (59 1/4")		151 to 152 cm (59 1/2" to 59 3/4")	149 to 154 cm (58 3/4" to 60 3/4")	148 cm (58")	147 cm (57 3/4")
DEPTH					67 cm (26 1/2")	64 - 67 cm (25 1/4" to 26 1/2")	58 cm (22 3/4")	55 cm (21 1/2")
NET WEIGHT		309 kg (680 lb)	289 kg (636 lb)		255 kg (561 lb)	236 to 242 kg (519 to 528 lb)	220 kg (484 lb)	209 kg (460 lb)
ENCASEMENT								
FURNITURE	EGP Classic Cases Designed by Steinway & Sons. EGP Furniture Cases Designed by William Faber.	Classic and French Provincial styles.	Classic and French Provincial styles.	EUP Classic Studio and School-Style Cases Designed by Steinway & Sons. EUP Furniture Cases Designed by William Faber.	Classic Studio, Empire Studio, French Studio and School styles.	Classic Studio, French Country, Contemporary, Italian Provincial, Queen Anne, Sheraton Traditional, English Country, English Traditional and Formal French.	Classic Studio.	Continental style.
FINISH	Ebony and white finishes over an outer substrate of phenolic resin. Natural finishes over authentic wood veneers. Polyester (polished finishes) or hand-rubbed nitrocellulose lacquer (satin finishes).	Ebony Polish, Ebony Satin, Sapele Mahogany Polish, and Brown Cherry Satin.	Ebony Polish, Ebony Satin, Sapele Mahogany Polish, Sapele Mahogany Satin, Kewazinga Bubinga Polish, White Polish and Brown Cherry Satin.	Ebony and white finishes over an outer substrate of phenolic resin. Natural finishes over authentic wood veneers. Polyester (polished finishes) or polyurethane (satin finishes).	Ebony Polish, Sapele Mahogany Polish, Sapele Mahogany Satin and Chinese Walnut Satin.	Ebony Polish, Sapele Mahogany Polish, Walnut Polish, White Polish, Cherry Satin, Sapele Mahogany Satin, Walnut Satin, Red Cherry Satin and Brown Cherry Satin.	Ebony Polish and Sapele Mahogany Polish.	Ebony finish over an outer substrate of phenolic resin. Polyester polished finish.
HARDWARE	Brass			Stainless steel hardware on EUP-123EK and EUP-116CT. Brass hardware on all other EUP models.	Stainless steel hardware on EUP-123EK. Brass hardware on all other models.	Stainless steel hardware on EUP-116CT. Brass hardware on all other models.	Brass	Brass

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INSTRUMENT								
RIM								
Material	Chinese walnut							
Shape	Wide tail (similar to Boston)							
Thickness: Outer		22 mm	22 mm					
Thickness: Inner		38 mm	38 mm					
BRACES	Steinway-like radial bracing							
# of braces		3	3					
BACKFRAME				Staggered backposts				
POSTS				Spruce				
# of posts					5	5	5	5
Total CSA					500 cm ² (77.5 in ²)	450 cm ² (69.8 in ²)	223 cm ² (34.5 in ²)	223 cm ² (34.5 in ²)
Thickness of post					10 cm	9 cm	4.45 cm	4.45 cm
Width of post					10 cm	10 cm	10 cm	10 cm
PINBLOCK	Laminated multi-directional maple			Laminated multi-directional maple				
Thickness		36 mm	36 mm		35 mm	35 mm	30 mm	30 mm
SOUNDBOARD								
Material	Solid spruce			Solid spruce				
Thickness profile	Linear taper	9 mm front to 8 mm rear	8 mm front to 6 mm rear	Linear taper	9 mm top to 7 mm bottom	9 mm top to 7 mm bottom	9 mm top to 7 mm bottom	9 mm top to 7 mm bottom
Vibrating area		1.25 m ² (1,938 in ²)	1.069 m ² (1,657 in ²)		1.257 m ² (1,948 in ²)	1.209 m ² (1,874 in ²)	1.157 m ² (1,794 in ²)	1.157 m ² (1,794 in ²)
RIBS	Ribs notched into Inner rim (no floating ribs)			Ribs notched into Inner rim (no floating ribs)				
Locations	Staggered/graduated			Staggered/graduated				
Material	Spruce			Spruce				
# of ribs		12	11		11	10	10	10
BRIDGES	Vertically laminated maple base with solid maple cap			Vertically laminated maple base with solid maple cap				
SCALE	Designed by Steinway			Designed by Steinway				
Tension		18,191 kg (40,021 lb)	17,661 kg (38,854 lb)		16,695 kg (36,730 lb)	16,624 kg (36,573 lb)	17,505 kg (38,512 lb)	17,505 kg (38,512 lb)
PLATE	Cast iron, painted with Steinway gold			Cast iron, painted with Steinway gold				
TUNING PINS	Carbon steel nickel coating			Carbon steel nickel coating				

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DUPLEX SCALES	Front & rear duplexes designed by Steinway							
STRINGS	Roslau wire			Roslau wire				
# of sizes of treble strings		9	14		14	15		12
Lowest tenor note		27	27		27	27		32
String #1 speaking length		130 cm (51.1")	112 cm (44.0")		114 cm (44.9")	109 cm (42.8")	112 cm (44.1")	112 cm (44.1")
HAMMERS	Specified by Steinway			Specified by Steinway				
Weight of topfelt		8 kg (17 lb)	8 kg (17 lb)		7 kg (15 lb)	6 kg (13 lb)	6 kg (13 lb)	6 kg (13 lb)
ACTION	Steinway design. Angled whippen heel. All wood.			All wood				
ACTION RAILS	Extruded aluminum with Steinway rosette			Aluminum				
KEYS	Steinway design. Material = Spruce			Material = Spruce				
KEYBED	Spruce			Spruce				
PEDALS	Brass			Stainless steel on EUP-123K and EUP-116CT. Brass on all other models.				
Center pedal function	Full sostenuto			Bass sustain on EUP-123S. Muffler on all other EUP models.				
CASTERS	Brass			Double-rubber on EUP-123S Stainless steel on EUP-123K and EUP-116CT. Brass on all other models. (EUP brass and rubber casters can be interchanged)				
FEATURES								
	Slow-fall keylid Folding keylid lip			All wood back construction (no MDF except in cabinet parts)				
				Solid filler blocks in backframe (near top)				
				Backposts are large and staggered Locks on EUP-123S only				
FINISH CODES LEGEND:								
BCHS	Brown Cherry Satin							
CHS	Cherry Satin							
CWS	Chinese Walnut Satin							
ECHS	European Cherry Satin (not available in Americas)							
EP	Ebony Polish							

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ES	Ebony Satin							
KBP	Kewazinga Bubinga Polish							
RCHS	Red Cherry Satin							
SMP	Sapele Mahogany Polish							
SMS	Sapele Mahogany Satin							
WP	North American Walnut Polish							
WS	North American Walnut Satin							
WTP	White Polish							

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