Digital pianos_Specifications

Everything you need to know … and much more

CASIO®

Model		AP-220BN	AP-420BK AP-420BN	AP-620BK	PX-130BK PX-130WE	PX-330BK	PX-730BK PX-730CY	PX-830BP PX-830BK	CDP-100	CDP-200R
Keyboard	**Number of Keys**	88	88	88	88	88	88	88	88	88
	Key Action	„Tri-sensor" Scaled Hammer Action	„Tri-sensor" Scaled Hammer Action	„Tri-sensor" Scaled Hammer Action	„Tri-sensor" Scaled Hammer Action	„Tri-sensor" Scaled Hammer Action	„Tri-sensor" Scaled Hammer Action	„Tri-sensor" Scaled Hammer Action	Scaled Hammer Action	Scaled Hammer Action
	Touch Response	3 sensitivity levels, off	3 sensitivity levels, off	3 sensitivity levels, off	3 sensitivity levels, off	3 sensitivity levels, off	3 sensitivity levels, off	3 sensitivity levels, off	3 sensitivity levels, off	3 sensitivity levels, off
Polyphony (maximum)		128	128	128	128	128	128	128	32	48
Tones		16 built-in tones: Grand Piano (Modern, Classic, Variation), Elec Piano, FM E. Piano, 60's E. Piano, Harpsichord, Vibraphone, Pipe Organ, Jazz Organ, Elec Organ 1 & 2, Strings 1 & 2, Bass 1 & 2	16 built-in tones: Grand Piano (Modern, Classic, Variation), Elec Piano, FM E. Piano, 60's E. Piano, Harpsichord, Vibraphone, Pipe Organ, Jazz Organ, Elec Organ 1 & 2, Strings 1 & 2, Bass 1 & 2	250 built-in tones: 6 Grand Piano (Modern) tones, 6 Grand Piano (Classic) tones, 9 Elec Piano tones, 6 Vibes/ Clavi tones, 13 Organ tones, 15 Strings/Synth-pad tones, 17 Bass/Guitar tones, 36 Various tones, 128 GM tones, 14 drum sets	16 built-in tones: Grand Piano (Modern, Classic, Variation), Elec Piano, FM E. Piano, 60's E. Piano, Harpsichord, Vibraphone, Pipe Organ, Jazz Organ, Elec Organ 1 & 2, Strings 1 & 2, Bass 1 & 2	Total 250 built-in tones: 6 Grand Piano (Modern) tones, 6 Grand Piano (Classic) tones, 9 Elec Piano tones, 6 Vibes/ Clavi tones, 13 Organ tones, 15 Strings/Synthpad tones, 17 Bass/Guitar tones, 36 Various tones, 128 GM tones, 14 drum sets	16 built-in tones: Grand Piano (Modern, Classic, Variation), Elec Piano, FM E. Piano, 60's E. Piano, Harpsichord, Vibraphone, Pipe Organ, Jazz Organ, Elec Organ 1 & 2, Strings 1 & 2, Bass 1 & 2	16 built-in tones: Grand Piano (Modern, Classic, Variation), Elec Piano, FM E. Piano, 60's E. Piano, Harpsichord, Vibraphone, Pipe Organ, Jazz Organ, Elec Organ 1 & 2, Strings 1 & 2, Bass 1 & 2	5 built-in tones: Grand Piano 1, Grand Piano 2, Elec Piano, Hapsichord, Strings	670 built-in tones: 525 tones, 128 GM tones, 17 drum sets
Sound Source		Linear Morphing AiF	Linear Morphing AiF	Linear Morphing AiF	Linear Morphing AiF	Linear Morphing AiF	Linear Morphing AiF	Linear Morphing AiF	Dual-element HL	Dual-element AHL
Stereo-sampled Piano Tone		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Layer/Split		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Layer only	Yes
Digital Effects		Reverb (4 types), Chorus (4 types), Brilliance, DSP (preset for some tones)	Reverb (4 types), Chorus (4 types), Brilliance, DSP (preset for some tones)	Reverb (4 types), Chorus (4 types), Brilliance, DSP (preset for some tones)	Reverb (4 types), Chorus (4 types), Brilliance, DSP (preset for some tones)	Reverb (4 types), Chorus (4 types), Brilliance, DSP (preset for some tones)	Reverb (4 types), Chorus (4 types), Brilliance, DSP (preset for some tones)	Reverb (4 types), Chorus (4 types), Brilliance, DSP (preset for some tones)	Reverb (4 types), Chorus (4 types)	Reverb (10 types), Chorus (5 types)
Acoustic Resonance System		Yes	Yes	Yes	Yes	Yes	Yes	Yes	–	–
Rhythms (Auto-accompaniment)		–	–	180 (built-in) and 10 (user)	–	180 (built-in) und 10 (user)	–	–	–	200 (Preset) and 10 (User)
Tunes		60 Music Library tunes	60 Music Library tunes	60 Music Library tunes	60 Music Library tunes	–	60 Music Library tunes	60 Music Library tunes	–	152 tunes (including 50 Exercise Phrases)
Demo Songs		–	–	8	–	8	–	–	5	–
Song Expansion (User Tune)		1 Tune (up to approx. 65 KB)	1 Tune (up to approx. 65 KB)	up to 10 Tunes (approx. 320 KB per tune)	1 Tune (up to approx. 65 KB)	up to 10 Tunes (approx. 320 KB per tune)	1 Tune (up to approx. 65 KB)	1 Tune (up to approx. 65 KB)	–	up to 10 tunes (approx. 320 KB total)
Lesson function		Part ON/OFF	Part ON/OFF	Part ON/OFF	Part ON/OFF	Part ON/OFF	Part ON/OFF	Part ON/OFF	–	Step Up Lesson
	Lesson part	right hand, left hand	right hand, left hand	right hand, left hand	right hand, left hand	right hand, left hand	right hand, left hand	right hand, left hand	–	right hand, left hand, both hands
Duet Mode		Yes	Yes	Yes	Yes	Yes	Yes	–	–	–
Metronome		0, 2, 3, 4, 5, 6 beats; tempo range: 20 bis 255	0, 2, 3, 4, 5, 6 beats; tempo range: 20 bis 255	0, 2, 3, 4, 5, 6 beats; tempo range: 20 bis 255	0, 2, 3, 4, 5, 6 beats; tempo range: 20 bis 255	0, 2, 3, 4, 5, 6 beats; tempo range: 20 bis 255	0, 2, 3, 4, 5, 6 beats; tempo range: 20 bis 255	0, 2, 3, 4, 5, 6 beats; tempo range: 20 bis 255	–	0, 2, 3, 4, 5, 6 beats; tempo range: 20 bis 255
Recorder (Song Memory)		2 tracks, 1 song, approximately 5,000 notes	2 tracks, 1 song, approximately 5,000 notes	17 tracks (1 system track + 16 solo tracks), 5 songs, up to 10,000 notes per Song, Punch-in/Punch-out recording	2 tracks, 1 song, approximately 5,000 notes	17 tracks (1 system track + 16 solo tracks), 5 songs, up to approx. 10,000 notes per Song, Punch-in/Punch-out recording	2 tracks, 1 song, approximately 5,000 notes	2 tracks, 1 song, approximately 5,000 notes	–	6 tracks, 5 songs, 1 lesson song, up to 12,-000 notes total
Pedals		3 pedals (damper/soft/sostenuto)	3 pedals (damper/soft/sostenuto)	3 pedals (damper/soft/sostenuto)	Including SP-3 x 1 pedal (terminal x 1), Optional SP-32: 3 pedals (damper/soft/sostenuto)	Including SP-3: 1 pedal (terminal x 2) Optional SP-32: 3 pedals (damper/soft/sostenuto)	3 pedals (damper/soft/sostenuto)	3 pedals (damper/soft/sostenuto)	Included SP-3: 1 pedal (terminal x 1)	Included SP-3: 1 pedal (terminal x 1)
Half-pedal Operation (damper)		–	Yes	Yes	Yes (with optional SP-32 3-pedal unit)	Yes (with optional SP-32 3-pedal unit)	Yes	Yes	–	–
Key Transpose		25 steps (–12/+12 semitones)	25 steps (–12/+12 semitones)	25 steps (–12/+12 semitones)	25 steps (–12/+12 semitones)	25 steps (–12/+12 semitones)	25 steps (–12/+12 semitones)	25 steps (–12/+12 semitones)	12 steps (–6/+5 semitones)	25 steps (–12/+12 half-tones)
Tuning Control		A4=440Hz ±99 cent	A4=440Hz ±99 cent	A4=440Hz ±99 cent	A4=440Hz ±99 cent	A4=440Hz ±99 cent	A4=440Hz ±99 cent	A4=440Hz ±99 cent	A4=440Hz ±50 cent	A4=440Hz ±100 cent
Display		–	–	Yes (full-dot LCD with backlight)	–	Yes (full-dot LCD with backlight)	–	–	–	Yes (LCD with backlight)
SD Memory Card Slot		–	–	Yes	–	Yes	–	Yes	–	Yes
MIDI		Yes	Yes	Yes (GM Level 1 compatible)	Yes	Yes (GM Level 1compatible)	Yes	Yes	Yes	Yes (GM Level 1 compatible)
Other Functions and Features		GRAND PIANO Buttons (Modern, Classic), ELEC PIANO Button, Selectable Temperament, Octave Shift, Operation Lock, Slide-type Keyboard Cover	GRAND PIANO Buttons (Modern, Classic), ELEC PIANO Button, Selectable Temperament, Octave Shift, Operation Lock, Slide-type Keyboard Cover	Rhythm Editor (10 user rhythms), Registration: Total 96 set-ups (12 presets x 8 banks), Music Preset (including chord progressions): 300 presets and 50 user areas, One Touch preset: 180 presets, GRAND PIANO Buttons (Modern, Classic), ELEC PIANO Button, 4 Rhythm Selector Button, Auto Harmonize, Stretch Tune (ON/OFF), Selectable Temperament, Octave Shift, Operation Lock, Slide-type Keyboard Cover	GRAND PIANO Buttons (Modern, Classic), ELEC PIANO Button, Selectable Temperament, Octave Shift, Operation Lock	Rhythm Editor (10 user rhythms), Registration: Total 96 set-ups (12 presets x 8 banks), Music Preset (including chord progressions): 300 presets and 50 user areas, One Touch preset: 180 presets, GRAND PIANO Buttons (Modern, Classic), ELEC PIANO Button, Auto Harmonize, Stretch Tune (ON/OFF) Selectable Temperament, Octave Shift Operation Lock, Pitch Bend Wheel, 4 Rhythm Selector Buttons	GRAND PIANO Buttons (Modern, Classic), ELEC PIANO Button, Selectable Temperament, Octave Shift, Operation Lock, Slide-type Keyboard Cover	GRAND PIANO Buttons (Modern, Classic), ELEC PIANO Button, Selectable Temperament, Octave Shift, Operation Lock, Rotry-type Keyboard Cover with Music Stand	–	Rhythm Editor (10 User Rhythms), Registration: Total 32 set-ups (4 presets x 8 banks), Music preset: 305 presets, One Touch preset: 200 presets, Auto Harmonize, Arpeggiator, Scale Editor (Preset Skalen: 16, User: 4) Sampling function: up to 8 sounds (including 3 drum sets), 10-seconds maximum sampling time, Music Challenge, Octave Shift, Pitch Bend Wheel
Terminals	**Headphones**	2 (stereo standard, matched output)	2 (stereo standard)	2 (stereo standard)	2 (stereo mini, matched output)	2 (stereo mini)	2 (stereo standard, matched output)	2 (stereo standard)	1 (stereo mini, matched output)	1 (stereo standard, matched output)
	Pedal	–	–	–	1 (damper)	2 (damper/soft/sostenuto)	–	–	1 (sustain/assignable)	1 (sustain/assignable)
	Connector for 3-pedal Unit	–	–	–	Yes	Yes	–	–	–	–
	Line OUT	–	2 (L/MONO, R/standard)	2 (L/MONO, R/standard)	–	2 (L/MONO, R/standard)	–	2 (L/MONO, R/standar)	–	_
	Line IN	–	–	2 (L/MONO, R/standard)	–	2 (L/MONO, R/standard)	–	–	–	–
	USB	Yes	Yes	Yes	Yes	Yes	Yes	Yes	–	Yes
	MIDI	–	–	IN/OUT	–	IN/OUT	–	–	IN/OUT	–
	Other	–	–	–	–	–	–	–	–	Audio IN (stereo mini), Mic IN (standard)
Speakers	**Size**	12 cm x 2	12 cm x 2.5 cm x 2	16 cm x 2.5 cm x 2	13 cm/6 cm (rectangular) x 2	13 cm/6 cm (rectangular) x 2.5 cm x 2	12 cm x 2	12 cm x 2	12 cm/6 cm (oval) x 2	12 cm/6 cm (oval) x 2
	Amplifier	8 W + 8 W	20 W + 20 W	30 W + 30 W	8 W + 8 W	8 W + 8 W	8 W + 8 W	20 W + 20 W	8 W + 8 W	8 W + 8 W
	4 speakers/ 2-way system	–	Yes	Yes	–	Yes	–	–	–	–
Size (W x D x H)		1,395 x 432 x 835 mm	1,395 x 427 x 835 mm	1,412 x 492 x 900 mm	1,322 x 286 x 135 mm	1,322 x 286 x 135 mm	1,374 x 298 x 792 mm	1,371 x 275 x 762 mm (keyboard cover closed) 1,371 x 363 x 893 mm (keyboard cover open)	1,322 x 278 x 132 mm	1,333 x 278 x 133 mm
	With stand	1,395 x 432 x 835 mm	1,395 x 427 x 835 mm	1,412 x 492 x 900 mm	1,322 x 286 x 759 mm	1,322 x 286 x 759 mm	1,374 x 298 x 792 mm	1,371 x 275 x 762 mm/ 1,371 x 363 x 893 mm	1,322 x 378 x 756 mm	1,333 x 341 x 757 mm
Weight		37.5 kg	40.0 kg	57.1 kg	11.2 kg	11.6 kg	30.6 kg	PX-830BP: 35.2 kg PX-830BK: 33.5 kg	11.2 kg	12.0 kg
	With stand	37.5 kg	40.0 kg	57.1 kg	21.2 kg	21.6 kg	30.6 kg	35.2 kg (BP)/ 33.5 kg (BK)	18.2 kg	19.6 kg
Accessories		AC Adaptor, Score Book, Music Stand	AC Adaptor, Score Book, Headphones Hook	Score Book, Music Stand Headphones Hook	Pedal (SP-3), AC Adaptor, Score Book, Music Stand	Pedal (SP-3), AC Adaptor, Music Stand	AC Adaptor, Score Book, Music Stand	AC Adaptor, Score Book, Front Support, Cover	Pedal (SP-3), AC Adaptor, Music Stand	Pedal (SP-3), AC Adaptor, Score Book, Music Stand
Stand		included	included	included	optional CS-67PBK/CS-67PWE	optional CS-67PBK	included	included	optional CS-43P	optional CS-43P