

SOUND GENERATOR

Piano Sound	SuperNATURAL Piano Modeling
Max. Polyphony	Piano: Limitless (solo playing using 'Piano' category tones) Other: 384
Tones	Total 307 Tones

KEYBOARD

Keyboard	PHA-50 Keyboard: Wood and Plastic Hybrid Structure, with Escapement and Ebony/Ivory Feel (88 keys)
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PEDALS

Pedals	Progressive Damper Action Pedal (Damper pedal: capable of continuous detection, Soft pedal: capable of continuous detection/function assignable, Sostenuto pedal: function assignable)
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SPEAKER SYSTEM

Speaker System	Acoustic Projection
Speakers	Cabinet Speakers: 25 cm (9-7/8 inches) x 2 (with Speaker Box) Near-field Speakers: (12 cm (4-3/4 inches) x 8 cm (3-3/16 inches)) x 2 (with Speaker Box) Near-field Tweeters: 5 cm (2 inches) x 2 Spatial Speakers: (12 cm (4-3/4 inches) x 8 cm (3-3/16 inches)) x 2
Rated Power Output	25 W x 2 6 W x 2 6 W x 2

Volume Level (SPL)	112 dB (This value was measured according to the method that is based on Roland's technical standard.)
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HEADPHONES

Headphones	Effect: Headphones 3D Ambience
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TUNING, VOICING

Touch Sensitivity	Key Touch: 100 types, fixed touch
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Master Tuning	415.3 to 466.2 Hz (adjustable in increments of 0.1 Hz)
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Temperament	10 types (Equal, Just Major, Just Minor, Pythagorean, Kirnberger I, Kirnberger II, Kirnberger III, Meantone, Werckmeister, Arabic), selectable temperament key
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Effects	Ambience, Brilliance
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Piano Designer	Lid Key Off Noise Hammer Noise Duplex Scale Full Scale String Resonance Damper Resonance Key Off Resonance Cabinet Resonance Soundboard Type Damper Noise Single Note Tuning Single Note Volume Single Note Character
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INTERNAL SONGS

Internal Songs	US: Total 363 songs Other: Total 353 songs
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DATA PLAYBACK

Playable Software

Standard MIDI Files (Format 0, 1)
Audio File (WAV, 44.1 kHz, 16-bit linear
format, require USB Flash Memory)

RECORDER

Recordable Software

Standard MIDI Files (Format 0, 3 parts,
Approx. 70,000 notes memory)
Audio File (WAV, 44.1 kHz, 16-bit linear
format, require USB Flash Memory)

BLUETOOTH

Bluetooth

Audio: *Bluetooth* Ver 3.0 (Supports
SCMS-T content protection)
MIDI, Turning music sheet: *Bluetooth* Ver
4.0 (*Bluetooth* LE)

CONVENIENT FUNCTIONS

Convenient Functions

Metronome (adjustable Tempo/Beat/Down
beat/Pattern/Volume/Tone)
Registration
TwinPiano (with Individual Mode)
Transpose (in semitones)
Speaker volume and Headphones
volume automatically select function
Volume limit function
Panel Lock
Auto Off

OTHER

Display	Graphic LCD 132 x 32 dots
Connector	DC In jack Input jacks: Stereo miniature phone type Output (L/Mono, R) jacks: 1/4-inch phone type USB Computer port: USB B type USB Memory port: USB A type Phones jack x 2: Stereo miniature phone type, Stereo 1/4-inch phone type
Power Supply	AC Adaptor
Power Consumption	13 W
Accessories	Owner's Manual Roland Classical Piano Masterpieces Roland Piano Arrange Collections "Let's Enjoy Piano" AC Adaptor Power Cord Headphone Hook
Options (sold separately)	USB Flash Memory (*1) *1 Use USB Flash Memory sold by Roland. We cannot guarantee operation if other products are used.

SIZE AND WEIGHT (INCLUDING PIANO STAND, WITH TOP LID CLOSE)

Width	1407 mm 55-7/16 inches
Depth	470 mm 18-9/16 inches
Height	1070 mm 42-1/8 inches
Weight	87.3 kg 192 lbs. 8 oz.

SIZE AND WEIGHT (INCLUDING PIANO STAND, WITH TOP LID OPEN)

Width	1407 mm 55-7/16 inches
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Depth	482 mm 19 inches
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Height	1132 mm 44-5/8 inches
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Weight	87.3 kg 192 lbs. 8 oz.
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