Castle Castello

PCM400831

KOMPAN
Let's play

General Product Information

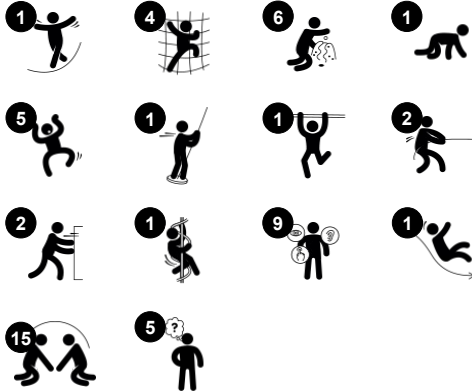|	
Dimensions LxWxH	23'8"x14'4"x13'5"
Age group	2 - 5
Play capacity (users)	31
Color options	⬤

Wow! The Castello offers amazing play experiences to explore again and again. The Castello inspires tons of physical, social, and dramatic play. The varied access climbers stimulate cross-coordination. This is foundational for reading skills. The bridges add fine balance training with their inclined and curved shape. Balance is a foundaiton for all

other motor skills and crucial for the child's body confidence. The tunnel is a thrilling crawling experience. Going down, there is the option for a milder or wilder ride. The Curly Climber adds a thrilling, rotating glide that trains spatial awareness, which will help children navigate the world securely. On ground level, rich play panels inspire dramatic

play, which in turn stimulates language development.

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Curly climber
Physical: coordination and proprioception are supported when placing arms and legs correctly for going down. Sense of balance when rotating. Arm muscles for holding tight. **Social-Emotional:** empathy stimulated by turn-taking. **Cognitive:** logical thinking when placing arms and legs right for rotating downward.

Slide
Physical: sliding develops spatial awareness and a sense of balance. Furthermore, the core muscles are trained when sitting upright going down. **Social-Emotional:** empathy stimulated by turn-taking. **Cognitive:** young children develop their understanding of space, speed and distances when sliding down quickly.

Cannon
Cognitive: the cannon sets a tangible theme and spurs dramatic play. Dramatic play supports language and communication skills.
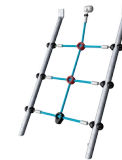
Treasure box
Cognitive: object permanence: hiding objects and finding them again. Spurs exploration and dramatic play, stimulating conversations.

Clock panel
Social-Emotional: cooperation with others on turning clock hands and taking turns. **Cognitive:** learning about numeracy and time in a tangible way. **Creative:** leaving your mark on the playground when setting the clock.

Climbing net
Physical: supports physical strength and cross-body coordination, which impacts coordination of the right and left parts of brain, fundamental for other skills such as the ability to read.

Tunnel
Physical: the children crawl through the tunnel, developing motor skills such as cross-body coordination and proprioception. **Social-Emotional:** turn-taking when passing each other.

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Panels of 19mm EcoCore™. EcoCore™ is a highly durable, eco friendly material, which is not only recyclable after use, but also consists of a core produced from 100% recycled material.

Main posts with hot dip galvanized steel footing are available in different materials: Pressure impregnated pine wood posts. Pre-galvanized inside and outside with powder coated top finish steel posts. Lead free aluminium with color anodized top finish.

All decks are supported by uniquely designed low-carbon aluminum profiles with multiple attachment options. The grey-colored molded decks are made of 75% post-consumer ocean waste PP material with a non-skid pattern and texture surface.

Item no. PCM400831-0901

Installation Information	
Max. fall height	6'8"
Safety surfacing area	675ft²
Total installation time	38.8
Excavation volume	2.73yd³
Concrete volume	0.98yd³
Footing depth (standard)	2'11"
Shipment weight	2696lbs
Anchoring options	In-ground ✔
	Surface ✔

Warranty Information	
EcoCore HDPE	Lifetime
Post	10 Years
PP Decks	10 Years
Ropes & nets	10 Years
Spare Parts Availability	10 Years

The slides can be chosen in different materials and colors: Straight or curved molded PE slides in yellow or grey color. Full stainless steel in on-piece design for more vandalism proof solutions.

The stainless-steel activities are made of high-quality stainless steel. The steel is cleaned by a total pickling process after manufacturing to ensure a smooth and clean gliding surfaces.

Nets and ropes are made of UV-stabilized PA with inner steel cable reinforcement. The rope is induction treated in order to create a strong connection between steel and rope which leads to good wear resistance.

Elevated activities **12**	Accessible elevated activities	Accessible ground level activities	Accessible ground level play types
Present	**12**	**3**	**2**
Required	**6**	**4**	**3**

ASTM F1487 compliant

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Sustainability Data

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Cradle to Gate A1-A3	Total CO₂ emission	CO₂e/kg	Recycled materials
	kg CO₂e	kg CO₂e/kg	%
PCM400831-0901	2,307.60	2.48	57.50

The overall framework applied for these factors is the Environmental Product Declaration (EPD), which quantifies "environmental information on the life cycle of a product and enable comparisons between products fulfilling the same function" (ISO, 2006). This follows the structure and applies a Life-Cycle Assessment approach to the entire Product stage from raw material through manufacturing (A1-A3))

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Verification of CO₂ calculation of: Themed play systems

Data version no. 2023-10-05

The CO₂ calculation and data are in compliance with the principles of a carbon footprint impact according to the GHG protocol (Greenhouse Gas Protocol), Scope 3, cradle to gate related to all individual components in the product category: "Themed play systems" represented by item no.: MSC641100-3717P.

(Scope 3 emissions include emission sources in the upstream and downstream value chain).

Date: 30. October 2023 | Valid until: 30. October 2025
Verified by:

Julie Marie Vejsgaard Larsen, LCA & EPD Consultant

Verification based on report: Validation of CO₂ calculation of 9 categories of Kompan product line, version 1.0, prepared by: Bureau Veritas HSE, Denmark: Julie M. V. Larsen.

Publication date: 30. October 2023

By Bureau Veritas HSE
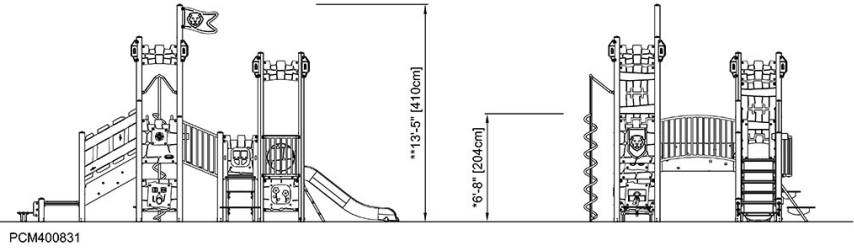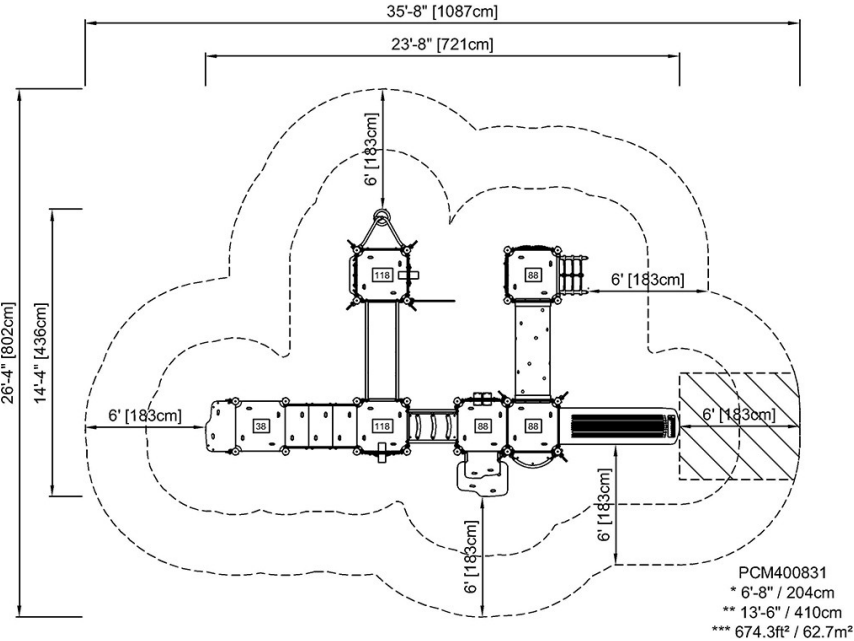www.bureauveritas.dk
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* Max fall height | ** Total height | *** Safety surfacing area	* Max fall height | ** Total height

35'-8" [1087cm]

23'-8" [721cm]

6' [183cm]

6' [183cm]

26'-4" [802cm]

14'-4" [436cm]

6' [183cm]

6' [183cm]

6' [183cm]

6' [183cm]

118

88

38

118

88

88

PCM400831
* 6'-8" / 204cm
** 13'-6" / 410cm
*** 674.3ft² / 62.7m²

**13'-5" [410cm]

*6'-8" [204cm]

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Click to see TOP VIEW	Click to see SIDE VIEW

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