

## Linz Pöstlingbergbahn, Austria

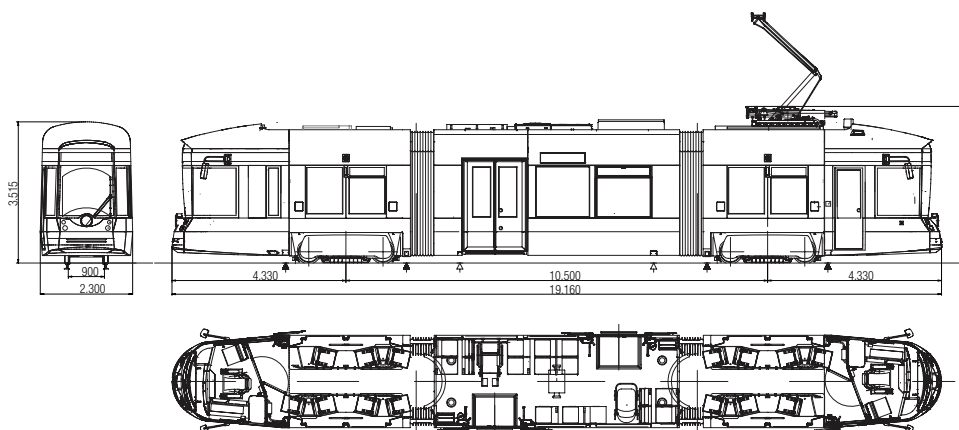
### ◁ FLEXITY Outlook ▷



Linz Linien ordered three 100% low-floor trams, based on the proven **BOMBARDIER\* FLEXITY\*** Outlook concept. The vehicles are designed for operation on the historic track to the top of the Pöstlingberg Mountain in Linz, Europe's steepest tram line. Accordingly, the trams feature a nostalgic design consistent with the existing historic vehicles.

Equipped with low-floor comfort and forward-looking technology the new Pöstlingberg vehicles correspond to the successful **FLEXITY** tram fleet already in operation in Linz. Since the end of the 1990ies a total of 33 vehicles were ordered by Linz Linien. With a direct line leading from the city's main square onto the Pöstlingberg Mountain a further attraction will be added to Linz as European Capital of Culture 2009.





### General Data

Contract award	July 2007
Type of vehicle	<b>BOMBARDIER FLEXITY Outlook</b>
Model	Bi-directional
Owner	Linz Linien GesmbH
Quantity	3
Train consist	3 modules

### Dimensions and Weight

Length of vehicle	19.16 m
Height	3.50 m
Width	2.30 m
Floor height above TOR	
• low-floor entrance	320 mm
Percentage of low-floor area	100 %
Doors	
• Electric double-sliding doors	2
- door clearance height	2,090 mm
- door clearance width	1,300 mm
• Electric single-sliding doors	2
- door clearance height	2,090 mm
- door clearance width	650 mm
Aisle width	600 mm
Wheel diameter (new / worn)	560 / 500 mm
Gauge	900 mm
Minimum horizontal curve radius	17 m
Minimum vertical curve radius, crest	500 m
Minimum vertical curve radius, sag	500 m
Car weight (empty)	27,5 t
Car weight (loaded) (4 pass./m <sup>2</sup> )	34 t
Maximum axle load	10 t
Buffer load	400 kN

### Technical Characteristics

Nominal current supply: 600 V DC
Energy recuperation
Low voltage: 24 V DC
Four 3-phase asynchronous motors
105 kW Motor power
Air-cooled motor
2 powered bogies
• Rubber/metal primary suspension
• Coil spring secondary suspension
• Anti slip, anti skid system
Electrical service brake
Mechanical / parking brake
Magnetic brake: 4 x 85 kN
HVAC-System
Passenger infotainment

### Performance and Capacity

Maximum speed	50 km/h
Maximum acceleration	1,45 m/s <sup>2</sup>
Deceleration	
• Service Brake	
(medium deceleration)	1,5 m/s <sup>2</sup>
• Emergency Brake	
(medium deceleration)	2,43 m/s <sup>2</sup>
Maximum gradient	116 ‰
Seated passengers	33
Standing passengers (4 pass./m <sup>2</sup> )	53
Multipurpose Areas	2

### Bombardier Transportation

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