

RATP T6 line, Paris

Translohr STE6

Inaugurated on December 13, 2014, the RATP T6 tramway on tyres is the first line served by the Translohr STE6 model (46 m), the longest tram in the range.

The underground portion of the line, including the Viroflay tunnel with a slope of up to 10%, was inaugurated on June 11, 2016. 28 Translohr STE6 serves the 21 stations of the line on a distance of 14 km.



Viroflay tunnel, a major technical challenge

The T6 line is the first Translohr tramway on tyres to include a tunnel passage with a large grade (10%). The unique nature of this underground section requires a transport system adapted:

- The qualification tests for the rolling stock particularly confirmed the traction and braking performance in the tunnel on the large 10% grade: The ability to brake and to start with full load in the slope, and a degraded-mode travel test to exit the tunnel and allow the passengers to evacuate.
- Translohr trams on tyres meet the requirements of fire/smoke standards for the movement of rolling stock through a tunnel.

The choice of Viroflay tunnel

The choice to construct, in Viroflay, a part of the line underground is due to geographical features. It also has the benefit of minimizing the urban footprint and disruptions to local residents while preserving the historical and architectural heritage of Viroflay.



Key data of the RATP T6 line

- Length of the line: **14 km**
- Number of stations: **21** (including 2 underground)
- Number of passengers expected per day: **82 000 people**
- OCS along **100%** of the route
- Maximum grade: **10%**
- Number of tramways delivered: **28**
- Model: **STE6** (46 m long)
- In operation since: **December 13th 2014**






Translohr tramway on tyres of the RATP T6 line


Main characteristics

	Unit	STE6
Lifespan	years	30
Number of passenger modules/axles		7
Number of motorized axles		4
Total length	m	46
Total width	m	2.22
Total height at pantograph	m	3.05
Floor level	m	0.25
Minimum turning radius	m	10.5
Maximum speed	km/h	70
Number of doors		12
Power consumption	kWh/km	4 to 6
Acoustic level	dB(A)	69/75
Mass when unoccupied	T	41.2
Number of EL6 passengers (4-6 pass/m ²)		255-358

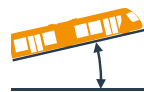
Benefits of Translohr tramways on tyres




10.5 m
Short turning radius




5.18 m
Narrow clearance gauge




13 %
Run up slopes



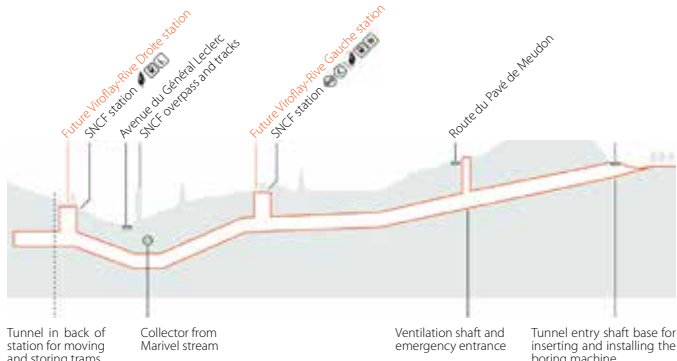
25 cm
Integral low floor



Slilent running



0 CO₂ emissions



Interior arrangement



▲ Translohr tramways on tyres of the RATP T6 line can carry up to 255 passengers (4 pass/m²).

For more information, please contact NTL:

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