

innovations



R A N G E
SR2
X-CITY

24 - 27 - 33

Deliver straight to
the heart of cities



NOMINATED

 **LAMBERET**



Lamberet offers you an exclusive new complete line of refrigerated semi-trailers, «City.»

These vehicles are characterized by optimized handling, low fuel consumption, and less tyre scuffing. This lets them offer an ideal solution to the challenges of urban and regional distribution. Launched with the 33-pallet SR2 SuperCity 33, winner of the 2013 IAA Trailer Innovation Award, the product line is taking on new sizes with the 24-, 27- et 33-pallet X-City models. From a technical standpoint, they are based on a chassis that incorporates the brand-new «X-Steering» axle technology using cables and slewing rings, and offer dimensions suitable for any form factor.



A full product line: 24, 27 or 33 pallets:

Because your loading capacity and available footprint needs differ depending on your business and its location, X-City is available in 24- and 37-pallet tandem versions are ideal to replace straight trucks in cities, with a total length of just 10.10 and 11.30 and a GVW of 23 and 25 tonnes, respectively. For regional travel, the 33-pallet X-City 33 is available with one or two steering axles.



The height you need when you need it:

The X-Steering mechanism, with its rings and cables, is fully integrated into the chassis in a transparent manner. The heights of the fifth wheel, frame sides (180 mm), and loading threshold are unchanged. This makes X-City compatible with all standard loading docks, and its overall ratio/loading ratio remains very effective.



Adapted rear module with standard slider lifts:

Transparent, optimized integration of the X-Steering axle system makes it possible to offer a standard rear chassis module fully adapted to the installation of a slider lift with a conventional two-part fold-down platform. This way, X-City maintains the efficiency of your regular operations.



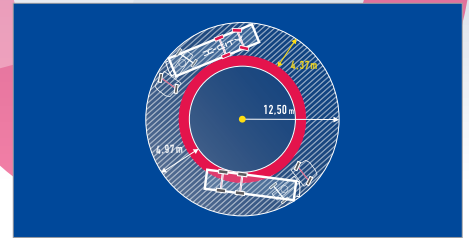
Innovative X-Steering axle:

The latest generation of steering axles, the X-Steering system mechanically transfers the turning of the tractor onto the steering axle at the kingpin, through a cable-actuated slewing ring system. This architecture, from the kingpin to the slewing ring to their cable connection, is transparently integrated into the chassis.



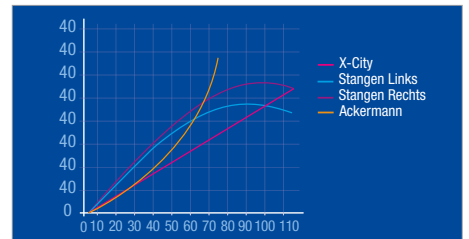
Best-in-class tyre life:

The lower scuffing (reduced by a factor of 10) due to the efficiency of the X-Steering system extends the tyres' lifespan significantly. Our tests have shown that for an X-City that performs intensive urban or regional deliveries, the life of the tyres could be increased fourfold.



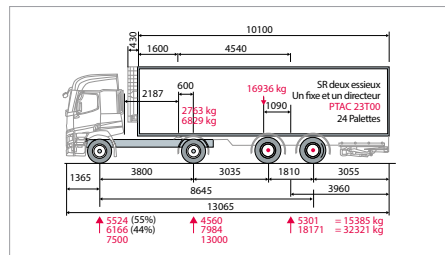
Optimal handling of Ackermann geometry:

The X-City chassis' steering axle system offers improved handling in hard-to-reach areas. The turning of the axles, whether tandem or tridem, fits with optimal Ackermann geometry, which governs the angles that a trailer's axles should follow relative to the tractor angle.



Less traction force: Lower consumption, less CO2:

The reduced scuffing and X-City's ability to achieve an optimal turning circle relative to the tractor significantly lowers the traction force needed during turns, by up to 66%. The result is 12% lower consumption in a city environment. As a second benefit, the tractor's power can be reduced.



Ideal load distribution:

X-City, in its tandem and tridem configurations, offers an ideal load distribution, at every point in your deliveries. No risk of overloading the kingpin or of offloading, a larger usable payload, easier maintenance and incomparable safety compared to a double-wheel axle configuration: The X-City tandem version makes the difference.



Easy maintenance:

The cable-actuated steering axle system is super-competitive when it comes to maintenance. One annual check-up is all that is needed to ensure the system is working properly. Lubrication is applied only once every 300,000 km, or via an optional centralized lubrication system. Without electricity or electronics, this investment offers a very quick return on investment.