



VECTRON 230 KM/H

Travel high speed flexibly across Europe

Offer fast, flexible connections and grow your passenger transport network – using reliable Vectron technology and established interfaces to passenger coaches. With the Vectron 230 km/h you can take your passengers across Europe in push and pull mode with seamless transitions at the border – for example on all lines from Prague to Warsaw, Berlin or Copenhagen. To maximize operational flexibility Vectron 230 km/h is also fully capable for freight operation.

[siemens.com/vectron](https://www.siemens.com/vectron)

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The Vectron 230 km/h is the solution for fast passenger transport across Europe. Changing the train length or using your train composition in different countries becomes simple. The Vectron 230 km/h offers a variety of country packages and is designed for travel speeds up to 230 km/h*. Clearly defined interfaces to passenger coaches and cab cars ensure smooth operation of passenger coaches in both directions. The smart design allows keeping the technical properties of the Vectron – but of course with increased top speed.

The Vectron with 230 km/h at a glance

TECHNICAL DATA

Wheel arrangement	Bo'Bo'
Track gauge	1,435 mm
Length	18,980 mm
Width (across handrails)	3,012 mm
Height with lowered pantograph	4,248 mm
Distance between pivots	9,500 mm
Bogie wheelbase	3,000 mm
Weight	90 t
Wheel diameter new / worn	1,250 mm / 1,160 mm
Smallest negotiable radius	80 m
Voltage systems	25 kV AC / 50 Hz, 3 kV DC; 15 kV AC / 16.67 Hz, 1.5 kV DC
Train power supply	1,500 V, 50Hz@25kV, 50 Hz; 1,000 V, 16.67Hz@15kV, 16.67 Hz; 3,000 V, DC@3,000V DC; 1,500 V, DC@1,500V DC
Max. power at the wheel rim	6,400 kW
Max. power regenerative brake	6,400 kW
Max. power rheostatic brake	2,600 kW
Starting tractive effort	320 kN*
Max. electr. braking effort	240 kN*
Max. speed	230 km/h*

*depending on authorization of respective country of operation

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