



Siemens ES 64 U2

Technical Data

Wheel arrangement	Bo'Bo'
Track gauge	1 435 mm
Length over buffers	19 280 mm
Distance between bogie centres	9 900 mm
Distance between bogie axles	3 000 mm
Wheel diameters (new)	1 150 mm
Weight	86 t
Voltage systems	15 kV, 16.7 Hz 25 kV, 50 Hz
Continuous rating	6 400 kW
Power factor	near 1, regulated
Maximum speed	230 km/h
Initial tractive effort	300 kN
Continuous tractive effort	250 kN at 92.2 km/h
Maximum electrical brake power at wheel rim	240 kN
Build	2000–2004

Electric two-system locomotive for heavy-duty freight transportation and fast passenger services

ES 64 U2 has state-of-the-art electronic systems:

- the wire train bus (WTB) and the multi-functional vehicle bus (MVB).
- MVB according to the ÖBB concept
- ZWS/ZMS System according to the DB concept
- proven SIBAS 32 Micro-computer traction control.

With an output of up to 6 400 kW, the ES 64 U2 is currently the most modern and most powerful locomotive in Europe. This is the basis for its optimum time-table design and the guarantor of short travel times.

The locomotive is homologated in:

Germany, Austria and Switzerland



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