SIEMENS
Ingenuity for life

Vectron AC / DC / MS

Overview of technical data

		AC	DC	MS
Voltage system 1		AC 25 kV, 50 Hz	DC 3 kV	AC 25 kV, 50 Hz
Voltage system 2		AC 15 kV, 16.7 Hz	–	AC 15 kV, 16.7 Hz
Voltage system 3		–	–	DC 3 kV
Voltage system 4		–	–	DC 1.5 kV
Wheel arrangement		Bo'Bo'	Bo'Bo'	Bo'Bo'
Track gauge	[mm]	1,435 / 1,520 / 1,668	1,435 / 1,520 / 1,668	1,435 / 1,520 / 1,668
Total weight	[t]	85 – 87*	80*	88 – 90
Length over buffers	[mm]	18,980	18,980	18,980
Distance between bogie centers	[mm]	9,500	9,500	9,500
Bogie wheelbase	[mm]	3,000	3,000	3,000
Drive wheel diameter	[mm]	1,250 new / 1,160 worn	1,250 new / 1,160 worn	1,250 new / 1,160 worn
Starting tractive effort	[kN]	300, optionally 320	300, optionally 320	300, optionally 320
Power	[kW]	6,400	5,200	6,400 (AC)
		–	–	6,000 (DC 3 kV)
		–	–	3,500 (DC 1,5 kV)
Max. speed	[km/h]	160 / 200	160	160 / 200
Nominal power of train bus	[kVA]	800	800	800
Braking energy of rheostatic brake at the wheel rim	[kW]	–	2,600	2,600 (DC 3 kV)
		–	–	2,600 (DC 1.5 kV)
Max. electric braking effort	[kN]	240	240	240

* Max. 90 t possible with ballasting