

DATA SHEET

TRAXX MS3

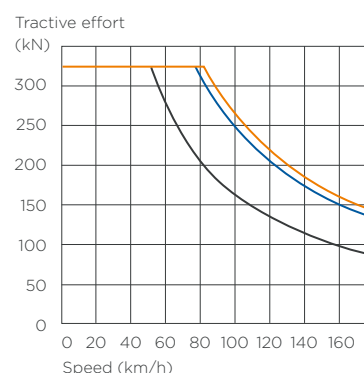
Multi-system locomotive for freight and passenger traffic in the European corridor



Alstom's TRAXX MS3 multi-system locomotive, equipped with ATLAS ETCS, enables seamless cross-border traffic at higher speeds and frequencies on the railways. At speeds of up to 160 km/h, the locomotive can travel through Germany, Austria, Belgium, France, Luxembourg and Poland, making it suitable for freight and passenger transport. The last-mile option also allows the locomotive to be used in shunting operations.

| Technical data | TRAXX MS3 |
|--------------------------|--|
| Manufacturer | Alstom |
| Locomotive type | Electric locomotive with multi-current system |
| Power at the wheel | 6,400 kW (15 kV AC/25 kV AC) 6,000 kW (3 kV DC) 4,000 kW (1.5 kV DC) |
| Starting tractive effort | max. 320 kN Multiple traction: 600 kN |
| Operating speed | 160 km/h 140 km/h until January 2026 120 km/h in LU |
| Locomotive weight | 86-89 t |
| Wheelset load | 21.5-22.3 t |
| Length over buffers | 18,900 mm |
| Minimum curve radius | 80 m with $V < 10$ km/h |
| Homologation | DE, AT, BE, FR, LU, PL |
| Miscellaneous | ATLAS ETCS Baseline 3.6, LZB, PZB, SHP, TBL1+, KVB, RPS (ATESS), multiple traction, rear-view camera Optional: Last-mile diesel engine (230 kW/260 kN), RRC Optional from mid 2027: Last-mile battery, RRC |

Tractive effort on wheel



- AC (Pmax = 6.4 MW)
- 3 kV DC (Pmax = 6 MW)
- 1.5 kV DC (Pmax = 4 MW)

Source: Alstom